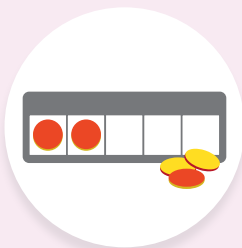


Amplify Desmos Math

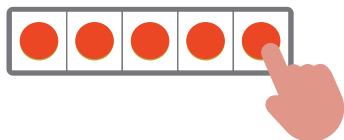
Kindergarten

Centers Resources



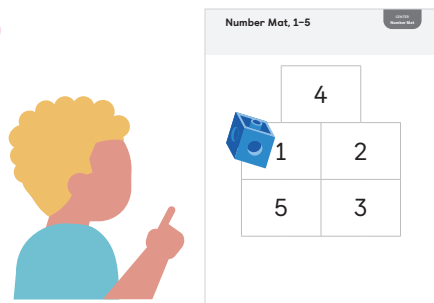
5-Frames

1



Fill in the 5-frame with 5 counters.

2



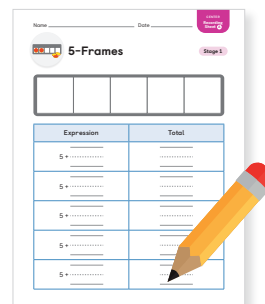
Roll a cube onto the mat to see how many counters to add.

3

Expression	Total
$5 + \underline{1}$	$\underline{6}$

Write numbers to show how many counters you added and how many there are in total.

4

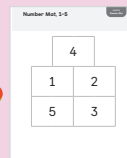
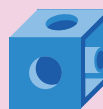


Repeat until the sheet is full.

Let's add using 5-frames.

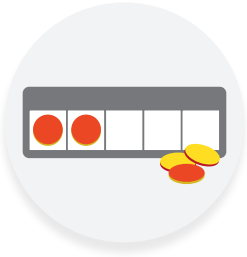
Independent

You'll need . . .



1 connecting cube Number Mat, 1-5 Recording Sheet, A or B

Name _____ Date _____



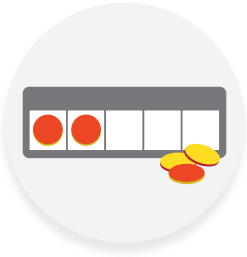
5-Frames

Stage 1

--	--	--	--	--

Expression	Total
$5 + \begin{array}{l} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$	$\begin{array}{l} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$
$5 + \begin{array}{l} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$	$\begin{array}{l} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$
$5 + \begin{array}{l} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$	$\begin{array}{l} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$
$5 + \begin{array}{l} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$	$\begin{array}{l} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$
$5 + \begin{array}{l} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$	$\begin{array}{l} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$

Name _____ Date _____



5-Frames

Stage 1

--	--	--	--	--

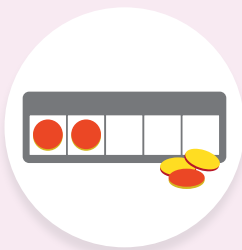
Words and numbers

5 and _____ is _____ .

5 and _____ is _____ .

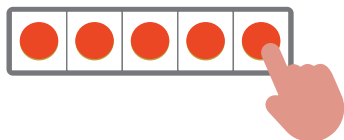
5 and _____ is _____ .

5 and _____ is _____ .



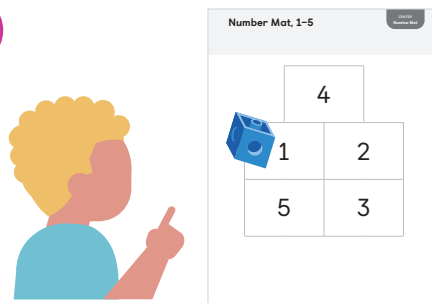
5-Frames

1




Fill in the 5-frame with 5 counters.

2



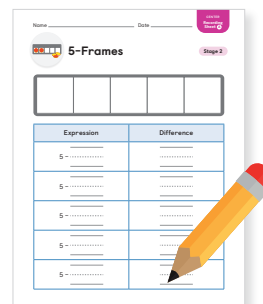
Roll a cube onto the mat to see how many counters to take away.

3

Expression	Difference
$5 - \underline{\quad 1 \quad}$	$\underline{\quad 4 \quad}$ 


Write numbers to show how many counters you took away and how many are left.

4

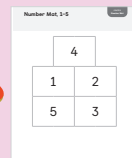
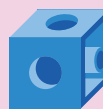


Repeat until the sheet is full.

Let's subtract using 5-frames.

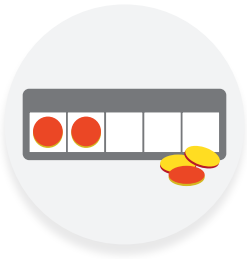
Independent 

You'll need . . .



1 connecting cube Number Mat, 1-5 Recording Sheet, A or B

Name _____ Date _____



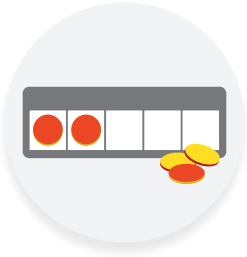
5-Frames

Stage 2

--	--	--	--	--

Expression	Difference
$5 - \frac{\quad}{\quad}$	$\frac{\quad}{\quad}$
$5 - \frac{\quad}{\quad}$	$\frac{\quad}{\quad}$
$5 - \frac{\quad}{\quad}$	$\frac{\quad}{\quad}$
$5 - \frac{\quad}{\quad}$	$\frac{\quad}{\quad}$
$5 - \frac{\quad}{\quad}$	$\frac{\quad}{\quad}$

Name _____ Date _____



5-Frames

Stage 2

--	--	--	--	--

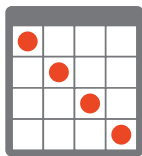
Words and numbers

5 take away _____ is _____
.....

5 take away _____ is _____
.....

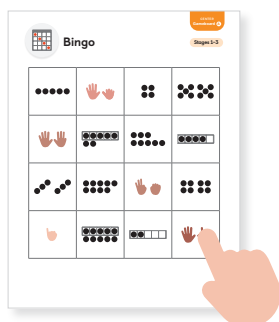
5 take away _____ is _____
.....

5 take away _____ is _____
.....



Bingo

1



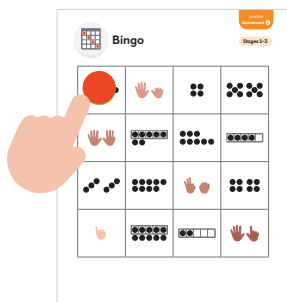
Choose a different Gameboard than your group.

2



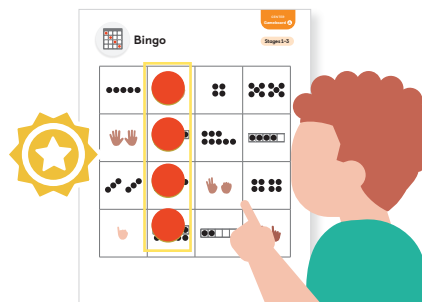
Take turns drawing a card.

3



Place a counter on any pictures that have the same number as the group on the card.

4



When a player fills in the row or column, clear all boards and play again.

Let's match images that show the same number.

Groups 

You'll need . . .



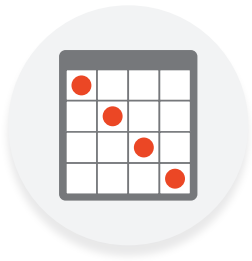
counters



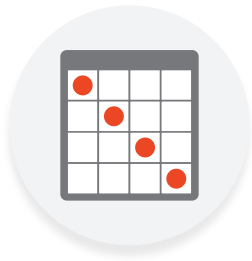
Bingo Cards



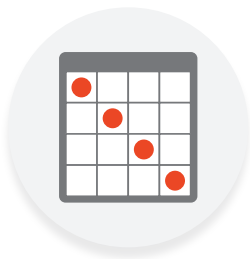
Gameboards
A-D



Bingo

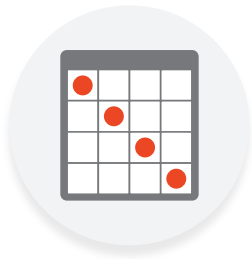


Bingo

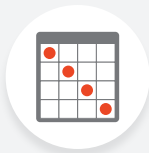


Bingo

Stages 1-3



Bingo



Bingo

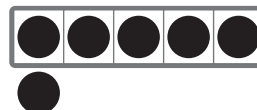
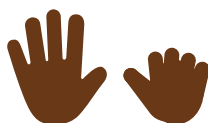
Stage 1

✂ - **Directions:** Make one copy per group of students. Pre-cut the cards and distribute them so that each group of students receives one set of cards.



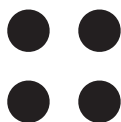
Bingo Stage 1

Bingo Stage 1



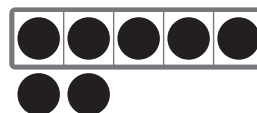
Bingo Stage 1

Bingo Stage 1



Bingo Stage 1

Bingo Stage 1



Bingo Stage 1

Bingo Stage 1



Bingo

Stage 1

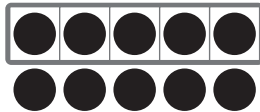
CENTER
Cards
(p. 2 of 4)



Bingo Stage 1



Bingo Stage 1



Bingo Stage 1



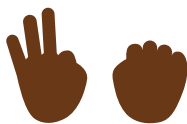
Bingo Stage 1



Bingo Stage 1



Bingo Stage 1



Bingo Stage 1



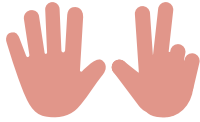
Bingo Stage 1



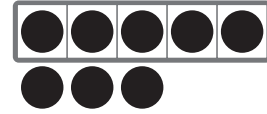
Bingo

Stage 1

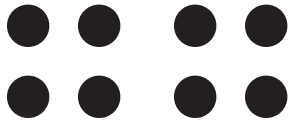
CENTER
Cards
(p. 3 of 4)



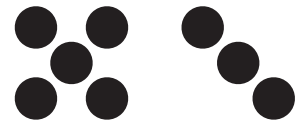
Bingo Stage 1



Bingo Stage 1



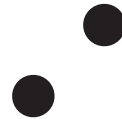
Bingo Stage 1



Bingo Stage 1



Bingo Stage 1



Bingo Stage 1



Bingo Stage 1



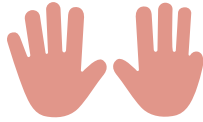
Bingo Stage 1



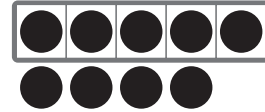
Bingo

Stage 1

CENTER
Cards
(p. 4 of 4)



Bingo Stage 1



Bingo Stage 1



Bingo Stage 1



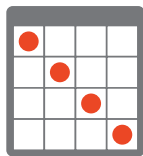
Bingo Stage 1



Bingo Stage 1

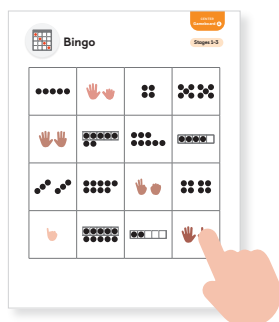


Bingo Stage 1



Bingo

1



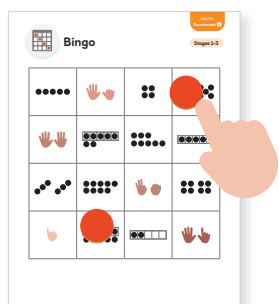
Choose a different Gameboard than your group.

2



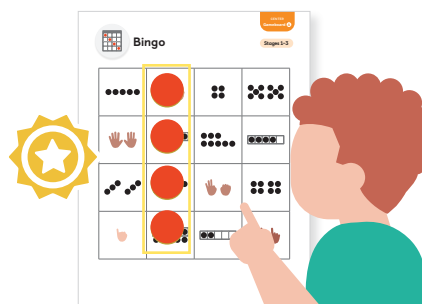
Take turns drawing a Number Card.

3



Place a counter on any pictures that match the number.

4



When a player gets 4 in a row, clear the boards and play again.

Let's match numbers and images.

Groups

You'll need . . .



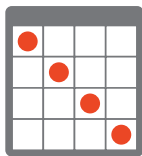
counters



Gameboards
A-D

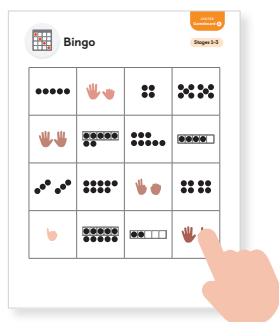


Number
Cards, 1-10



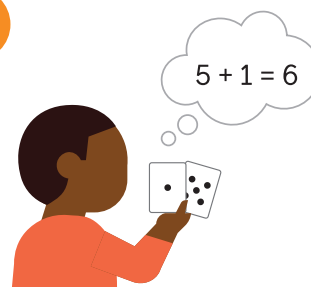
Bingo

1



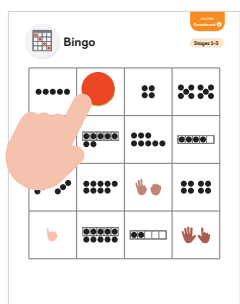
Choose a different Gameboard than your group.

2



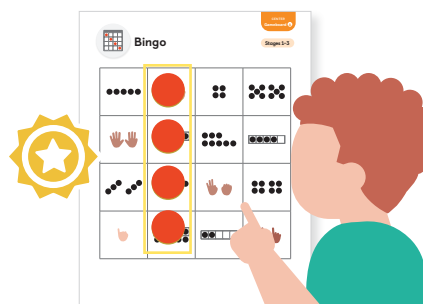
Draw two Dot Number Cards. Add the two numbers together.

3



Place a counter on any pictures that match the total.

4



When a player gets 4 in a row, clear the boards and play again.

Let's add numbers.

Groups

You'll need . . .



counters



Dot Number
Cards



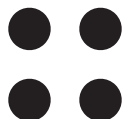
Gameboards
A-D



Bingo

Stage 3

✂️ **Directions:** Make one copy per group of students. Pre-cut the cards and distribute them so that each group of students receives one set of cards.



Bingo Stage 3



Bingo Stage 3



Bingo Stage 3



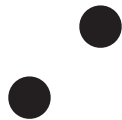
Bingo Stage 3



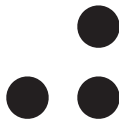
Bingo Stage 3



Bingo Stage 3



Bingo Stage 3



Bingo Stage 3



Bingo Stage 3



Bingo Stage 3



Bingo Stage 3



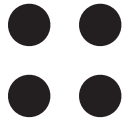
Bingo Stage 3



Bingo

Stage 3

CENTER
Dot Number Cards
(p. 2 of 2)



Bingo Stage 3



Bingo Stage 3



Bingo Stage 3



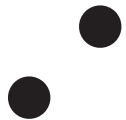
Bingo Stage 3



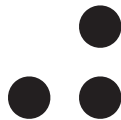
Bingo Stage 3



Bingo Stage 3



Bingo Stage 3



Bingo Stage 3



Bingo Stage 3



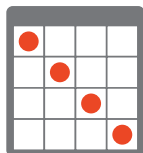
Bingo Stage 3



Bingo Stage 3

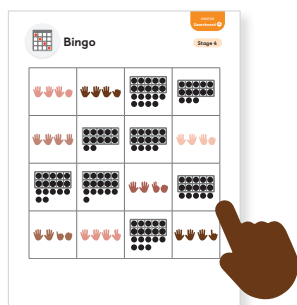


Bingo Stage 3



Bingo

1



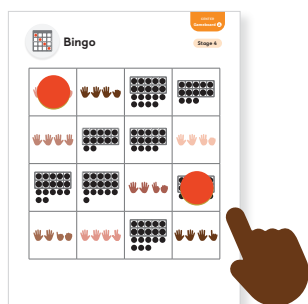
Choose a different Gameboard than your group.

2



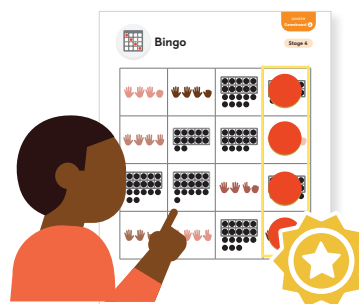
Take turns drawing a Number Card.

3



Place a counter on any pictures that match the number.

4



When a player gets 4 in a row, clear the boards and play again.

Let's match numbers and images.

Groups

You'll need . . .



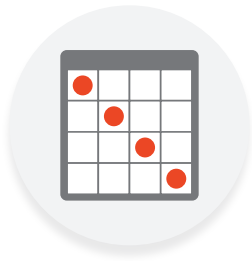
counters



Gameboards
A-D

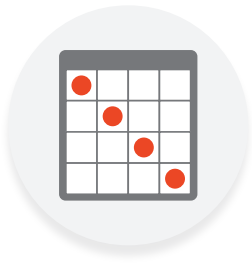


Number
Cards, 11-19



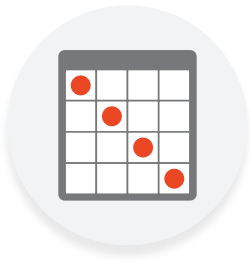
Bingo

Stage 4



Bingo

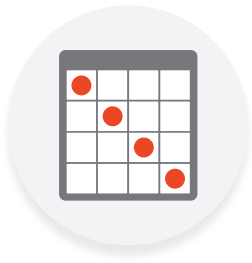
Stage 4



Bingo

Stage 4

Four brown hands arranged horizontally.	Four pink hands arranged horizontally.	A 2x5 grid of black circles with two black circles below it.	A 2x5 grid of black circles with seven black circles below it.
A 2x5 grid of black circles with three black circles below it.	Four brown hands arranged horizontally.	Three brown hands and one pink hand arranged horizontally.	A 2x5 grid of black circles with six black circles below it.
Four brown hands arranged horizontally.	A 2x5 grid of black circles with five black circles below it.	Four pink hands arranged horizontally.	A 2x5 grid of black circles with four black circles below it.
A 2x5 grid of black circles with six black circles below it.	Four pink hands arranged horizontally.	A 2x5 grid of black circles with five black circles below it.	Four brown hands arranged horizontally.



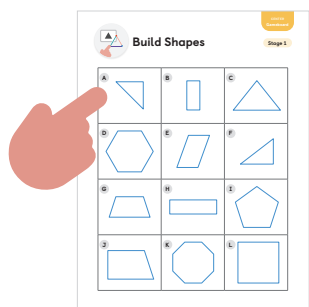
Bingo

Stage 4



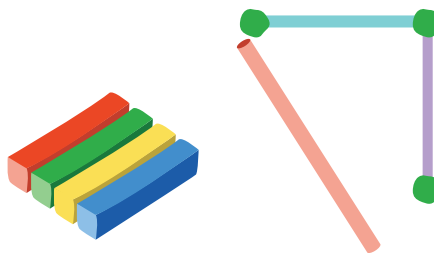
Build Shapes

1



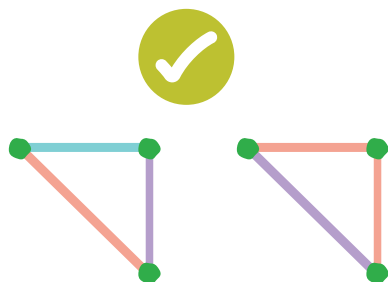
Choose a shape with your partner.

2



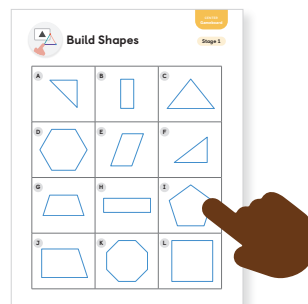
Use straws and clay to each build the flat shape.

3



Check that your shape matches your partner's shape.

4



Take turns choosing the next shape.

Let's build flat shapes.

Pairs

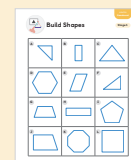
You'll need . . .



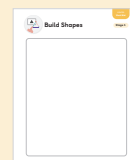
clay



straws



Gameboard

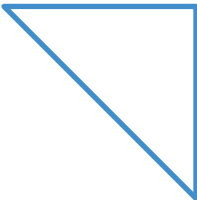

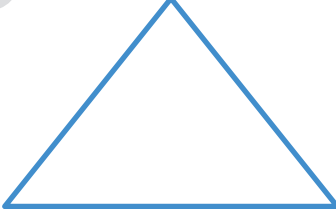
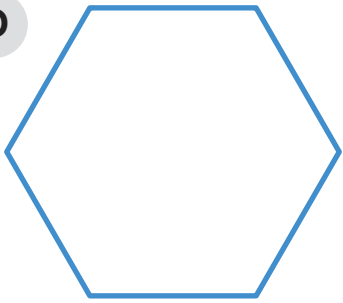
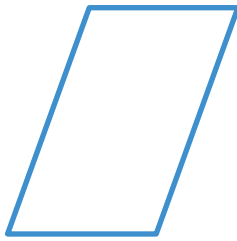
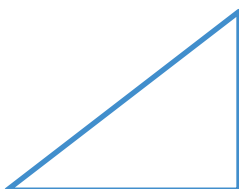


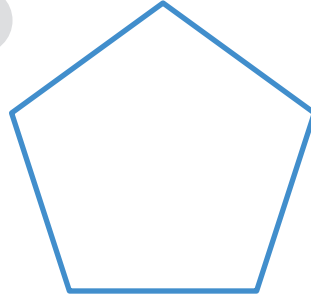

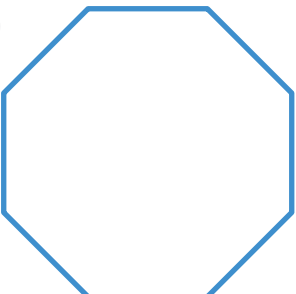
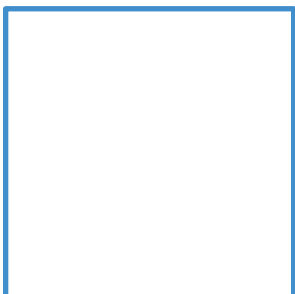


Work Mat



Build Shapes

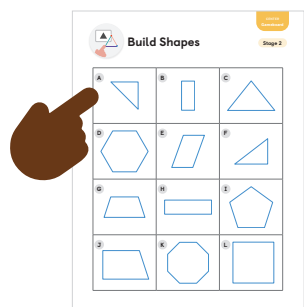
Stage 1

<p>A</p> 	<p>B</p> 	<p>C</p> 
<p>D</p> 	<p>E</p> 	<p>F</p> 
<p>G</p> 	<p>H</p> 	<p>I</p> 
<p>J</p> 	<p>K</p> 	<p>L</p> 



Build Shapes

1



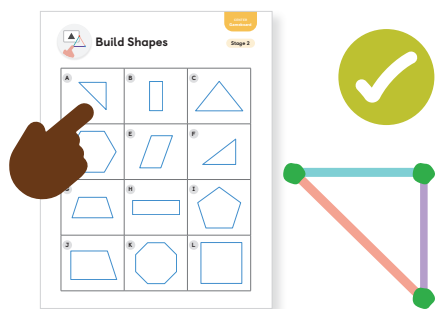
Choose a shape to build.
Do not let your partner see it!

2



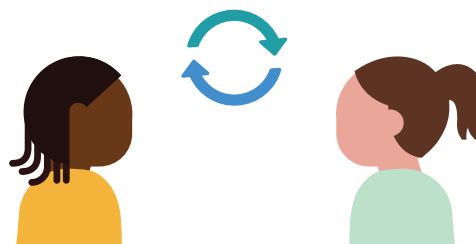
Describe the shape to
your partner so that your
partner can build it.

3



Show your shape, and
check to see if their
shape matches.

4



Take turns choosing
shapes and building
shapes.

Let's describe shapes
so our partner can
build them.

Pairs

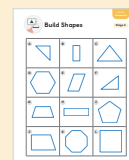
You'll need . . .



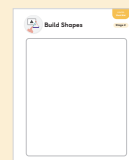
clay



straws



Gameboard



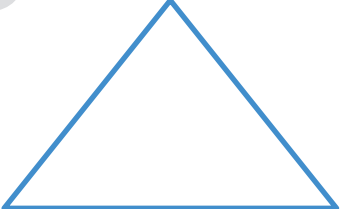
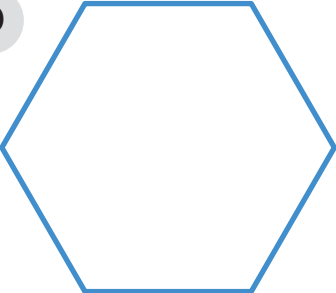
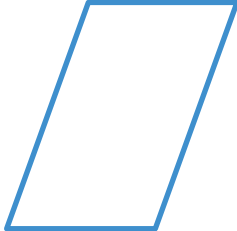
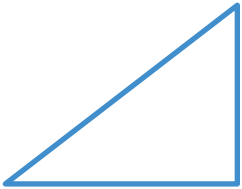


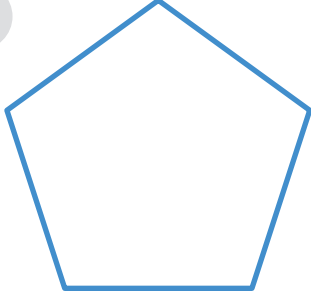
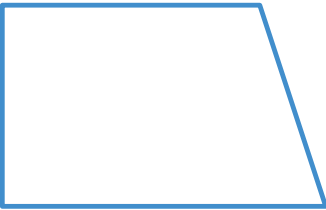
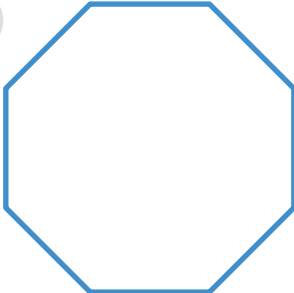
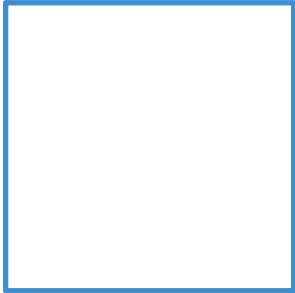


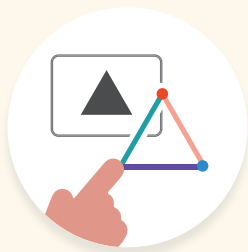
Work
Mat



Build Shapes

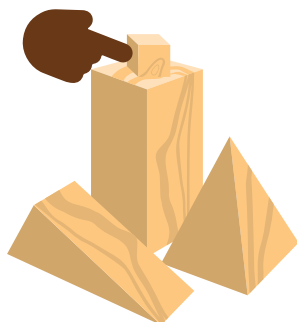
Stage 2

<p>A</p> 	<p>B</p> 	<p>C</p> 
<p>D</p> 	<p>E</p> 	<p>F</p> 
<p>G</p> 	<p>H</p> 	<p>I</p> 
<p>J</p> 	<p>K</p> 	<p>L</p> 



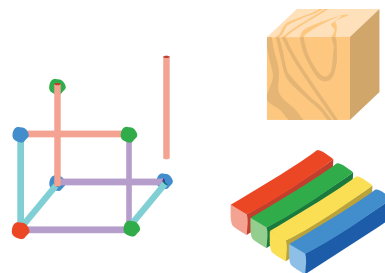
Build Shapes

1



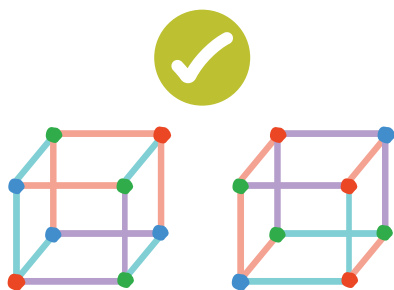
Choose a solid shape with your partner.

2



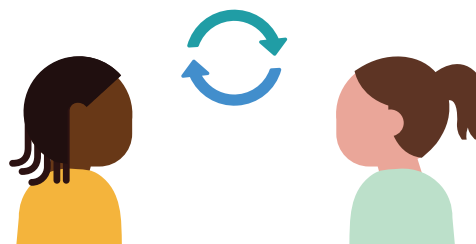
Use straws and clay to build the shape.

3



Check that your shape matches your partner's shape.

4



Take turns choosing the next shape.

Let's build solid shapes.

Pairs

You'll need . . .



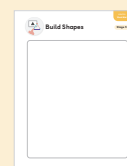
clay



geoblocks
geosolids



straws

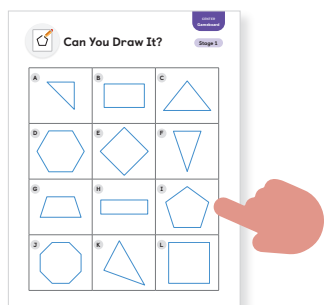


Work
Mat



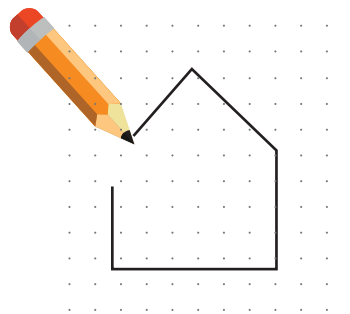
Can You Draw It?

1



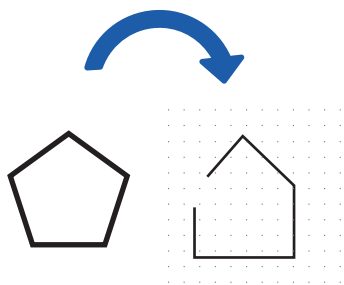
Player A: Choose a shape. Do not show it. Describe it to your partner.

2



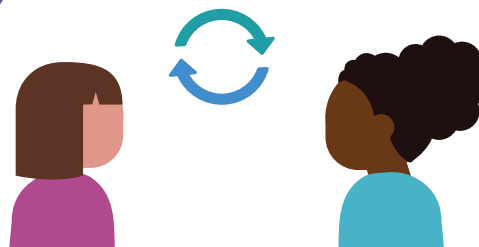
Player B: Draw the shape your partner described.

3



Compare the shapes. If your partner drew a shape with the same number of sides, place a counter on it.

4



Take turns. The player who earns more counters wins.

Let's describe and draw shapes.

Pairs

You'll need . . .



straightedges



two-color
counters



Gameboard



Recording
Sheet

Name _____ Date _____



Can You Draw It?



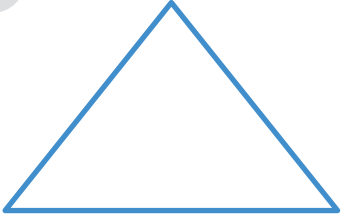
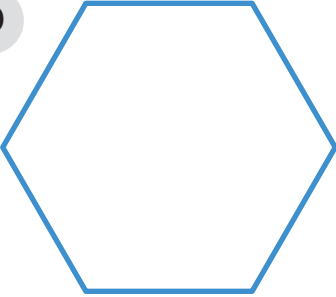
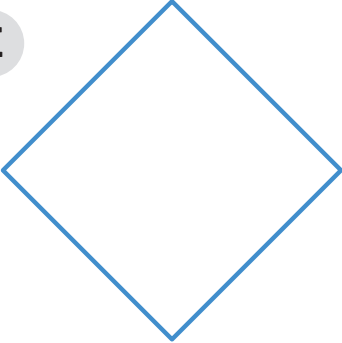
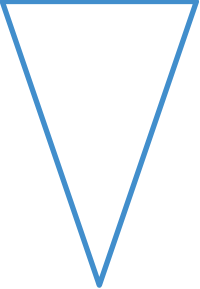


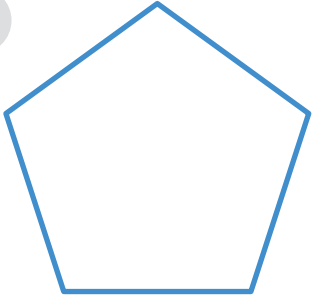
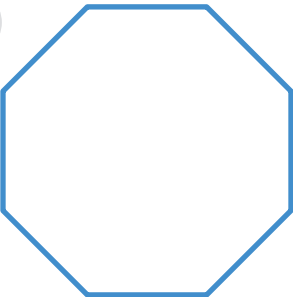
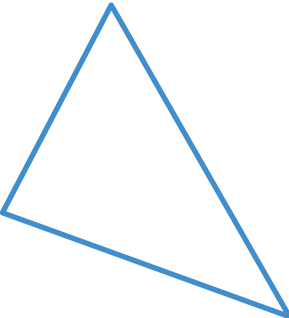

Stage 1

Round	Drawing	Round	Drawing
1	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	4	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
2	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	5	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>
3	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>	6	<p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p> <p>.....</p>



Can You Draw It?

Stage 1

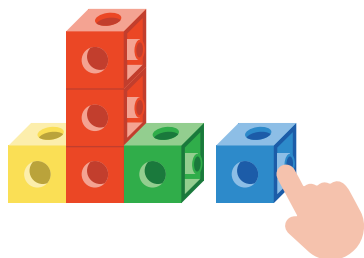
<p>A</p> 	<p>B</p> 	<p>C</p> 
<p>D</p> 	<p>E</p> 	<p>F</p> 
<p>G</p> 	<p>H</p> 	<p>I</p> 
<p>J</p> 	<p>K</p> 	<p>L</p> 



Connecting Cubes

Stage 1

1



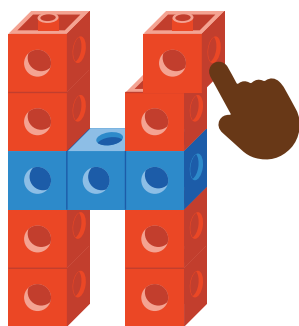
Explore the connecting cubes.

2



Ask your partner what they did with the connecting cubes.

3



Continue exploring the connecting cubes.

Let's explore using connecting cubes.

Pairs 

You'll need . . .



connecting cubes



Work Mat



Connecting Cubes

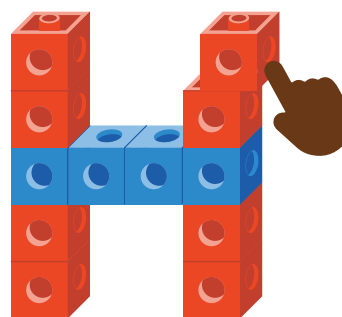
Stage 2

1



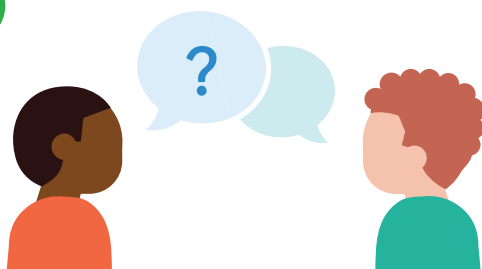
Choose a shape card.

2



Build an object to match the shape card.

3



Talk with your partner about your designs.

Let's build shapes using connecting cubes.

Pairs

You'll need . . .



connecting cubes



Connecting Cube Cards



Work Mat

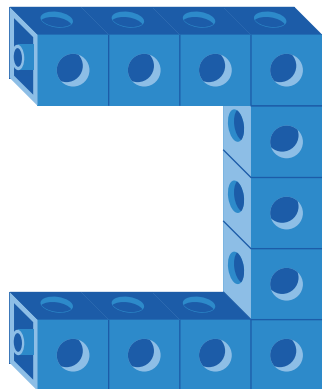


Connecting Cubes

Stage 2

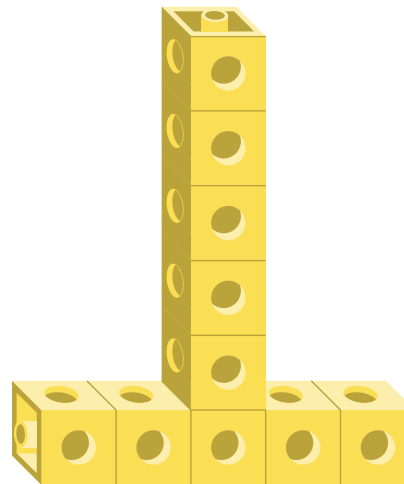
✂️ **Directions:** Make one copy per pair. Pre-cut the cards and distribute them so that each pair of students receives one set of cards.

A



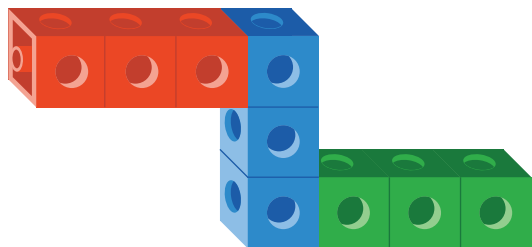
Connecting Cubes Stage 2

B



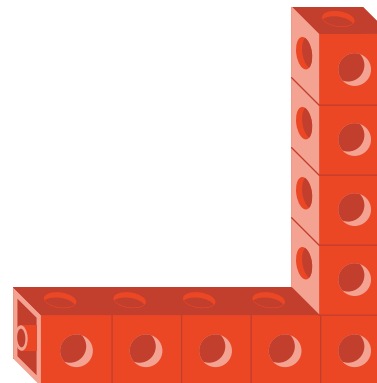
Connecting Cubes Stage 2

C



Connecting Cubes Stage 2

D



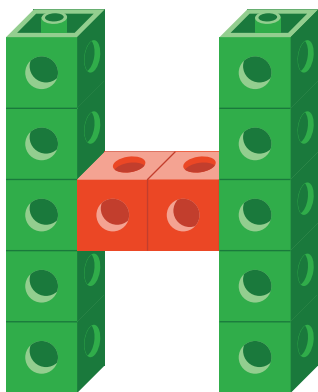
Connecting Cubes Stage 2



Connecting Cubes

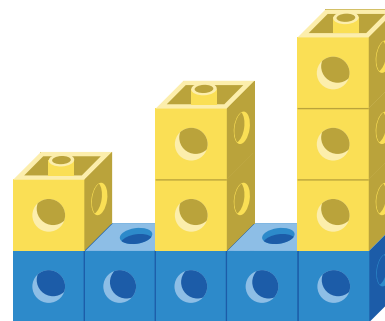
Stage 2

E



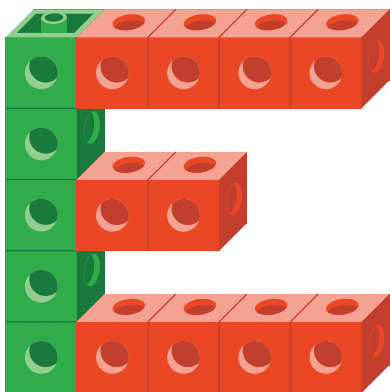
Connecting Cubes Stage 2

F



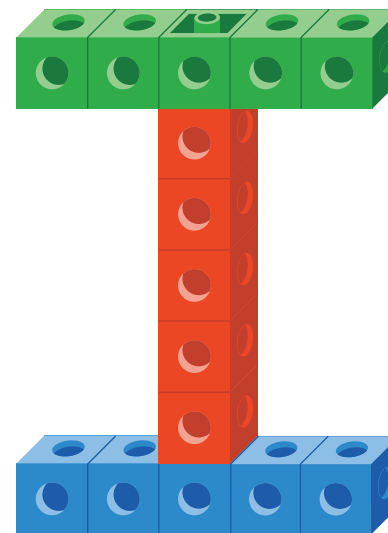
Connecting Cubes Stage 2

G



Connecting Cubes Stage 2

H



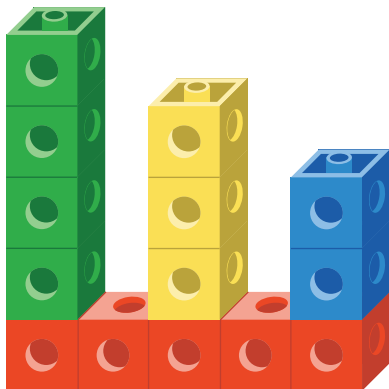
Connecting Cubes Stage 2



Connecting Cubes

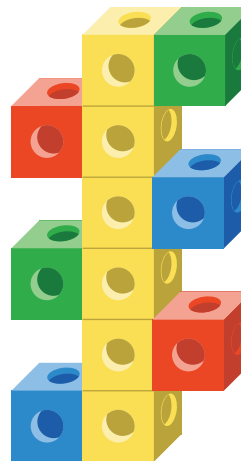
Stage 2

I



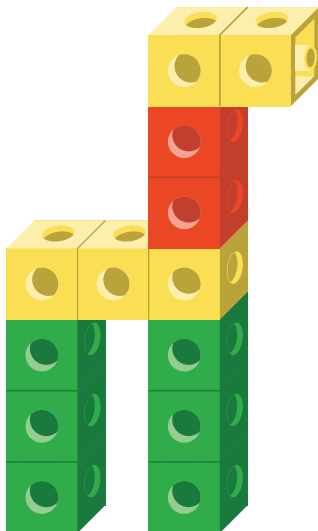
Connecting Cubes Stage 2

J



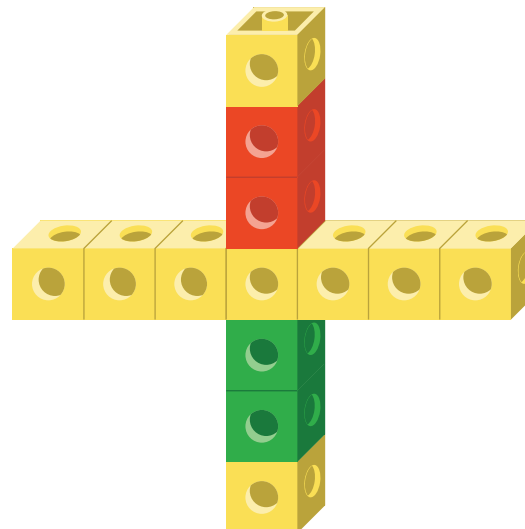
Connecting Cubes Stage 2

K



Connecting Cubes Stage 2

L



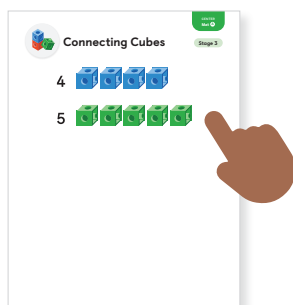
Connecting Cubes Stage 2



Connecting Cubes

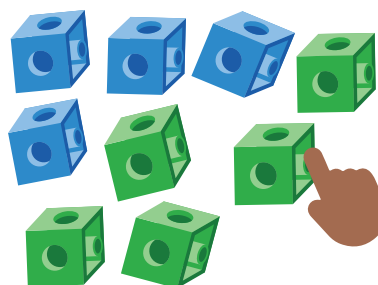
Stage 3

1



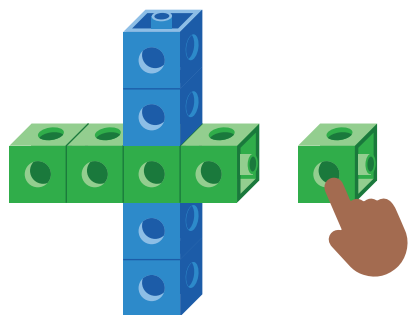
Choose a Mat.

2



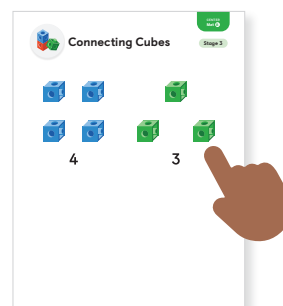
Make matching groups of each color of connecting cubes.

3



Use the connecting cubes to build something.

4



Talk with your partner about what they built. Then choose another Mat.

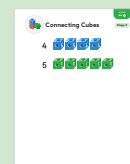
Let's build shapes using connecting cubes.

Pairs

You'll need . . .



connecting cubes



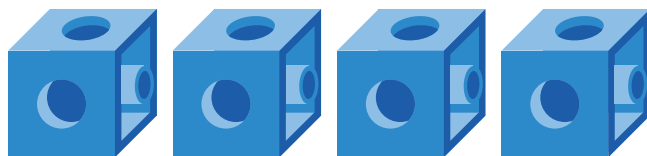
Mats A–J



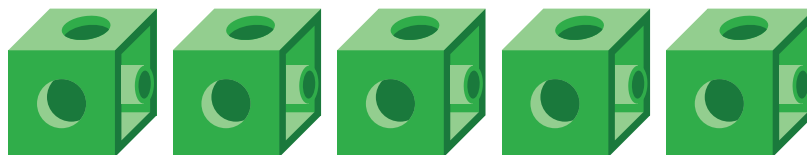
Connecting Cubes

Stage 3

4



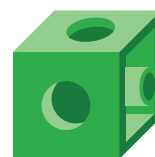
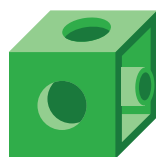
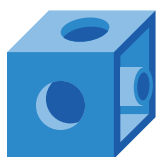
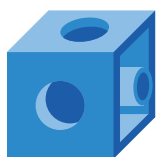
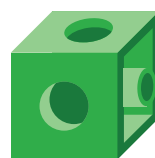
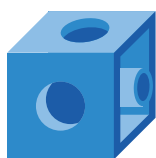
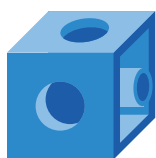
5





Connecting Cubes

Stage 3



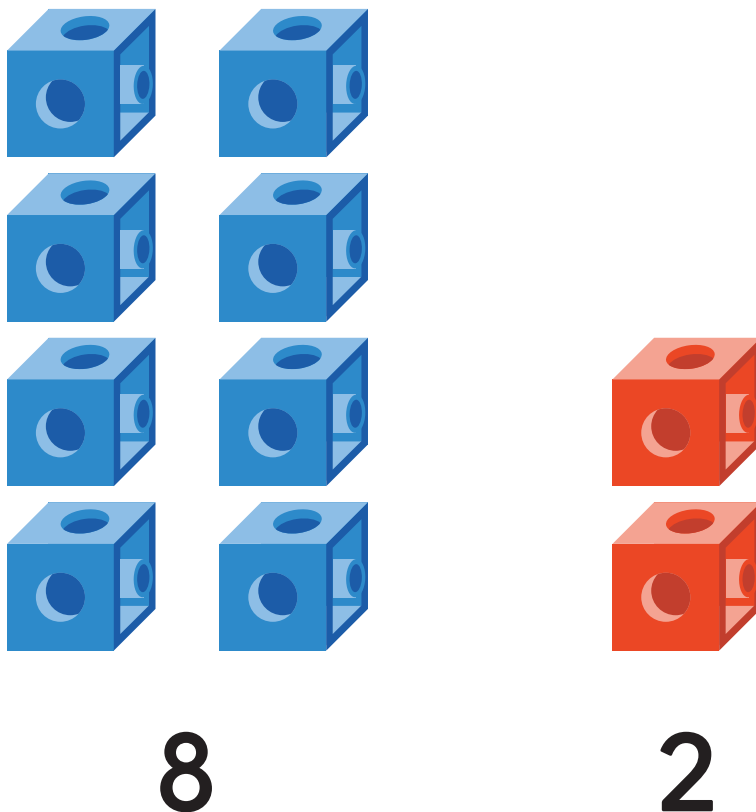
4

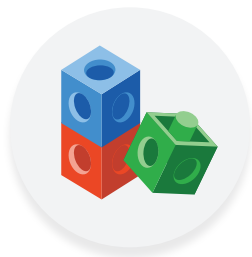
3



Connecting Cubes

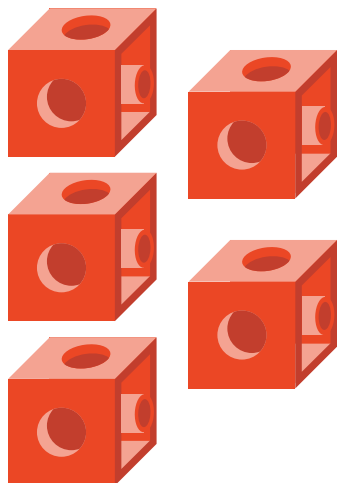
Stage 3



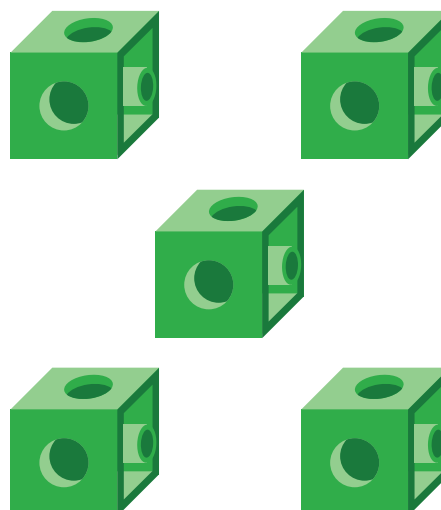


Connecting Cubes

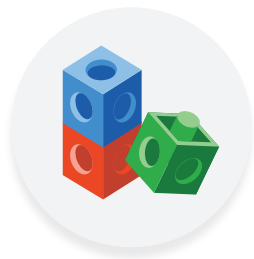
Stage 3



5



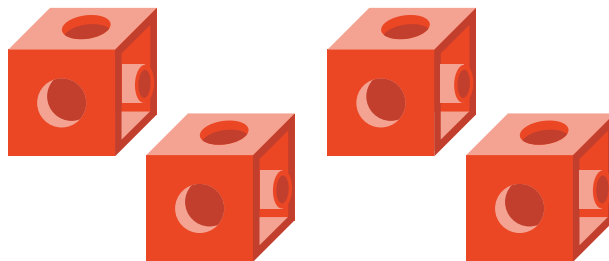
5



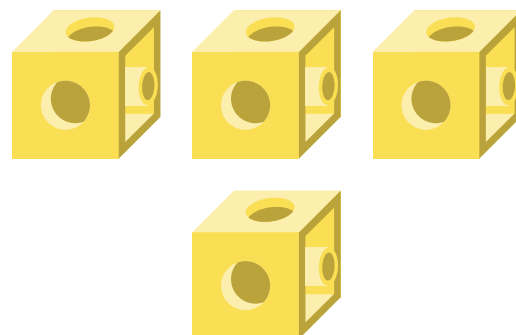
Connecting Cubes

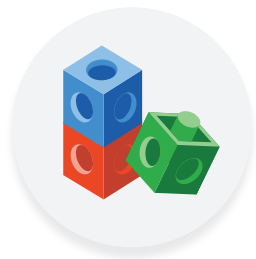
Stage 3

4



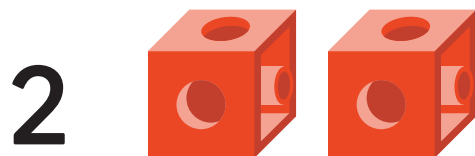
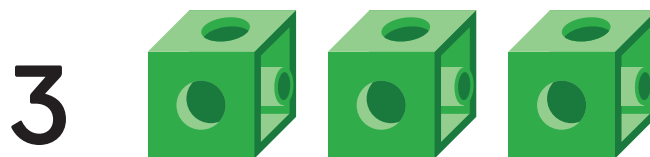
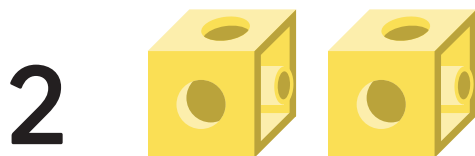
4





Connecting Cubes

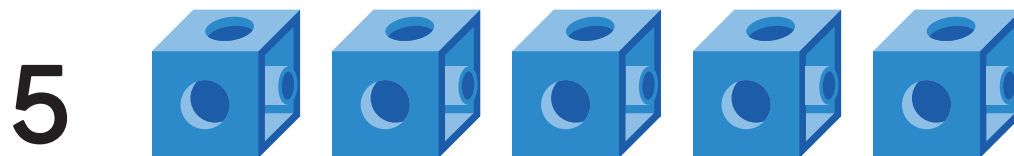
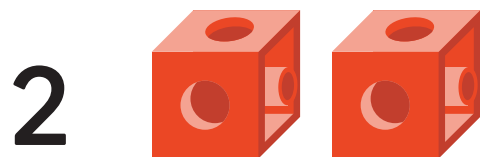
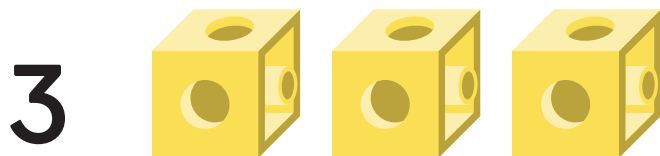
Stage 3

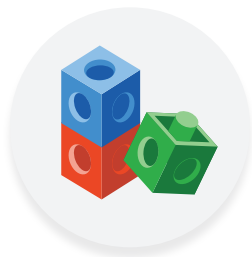




Connecting Cubes

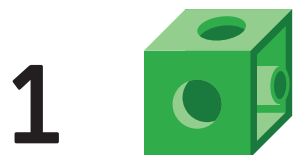
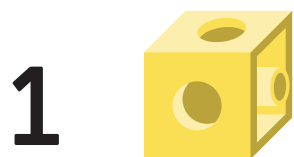
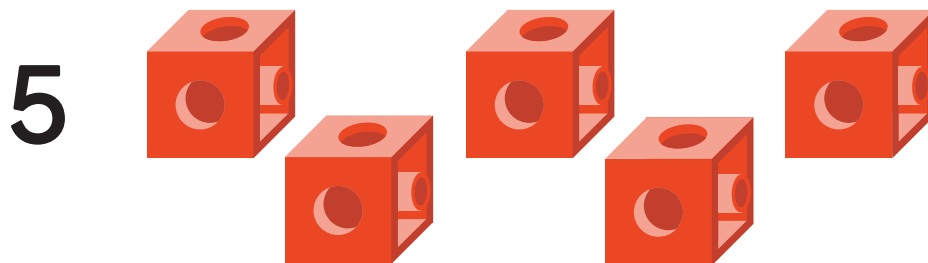
Stage 3





Connecting Cubes

Stage 3

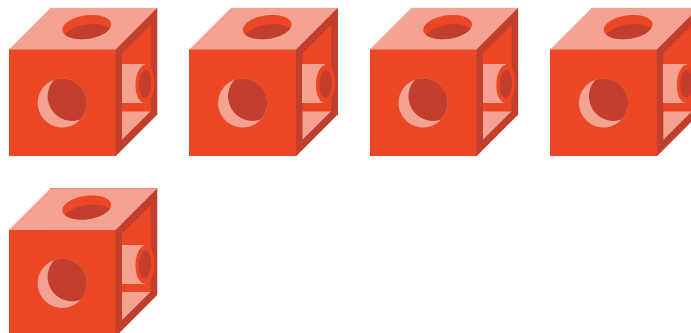




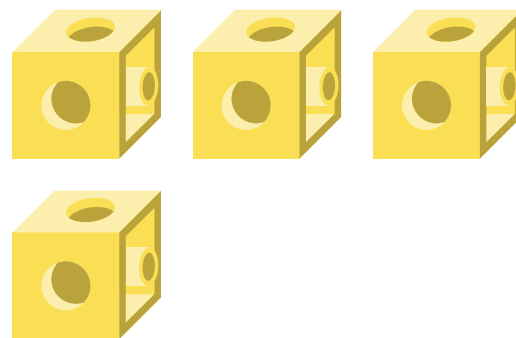
Connecting Cubes

Stage 3

5



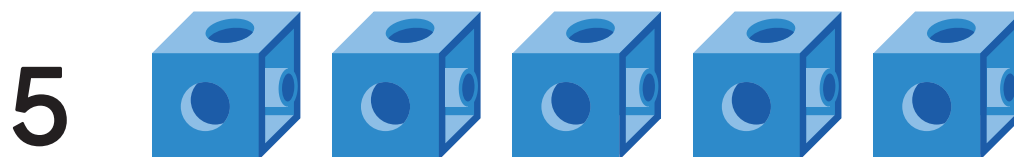
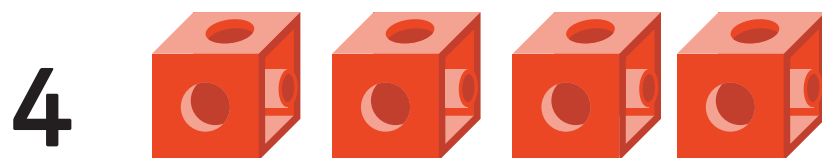
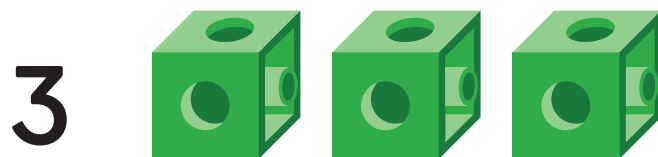
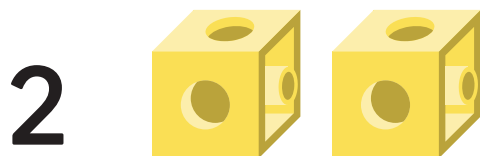
4





Connecting Cubes

Stage 3





Counting Collections

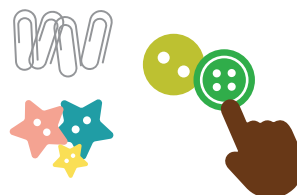
Stage 1

1



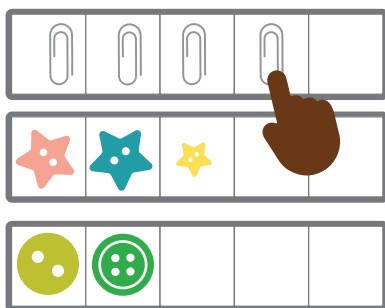
Talk with your partner about how to sort the objects.

2



Sort the objects into groups.

3



Count each group.

4

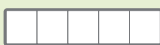


Record how many you counted. Choose a new collection and repeat.

Let's sort, count, and show how many.

Pairs

You'll need . . .



5-frames



collection of objects
(up to 10)



Recording
Sheet

Name _____ Date _____



Counting Collections

Stage 1

How many are there in each group? Show how you counted.



Counting Collections

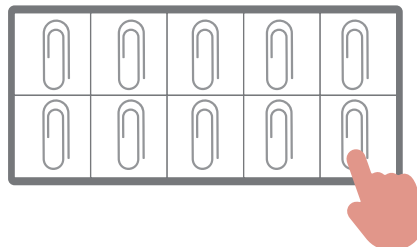
Stage 2

1



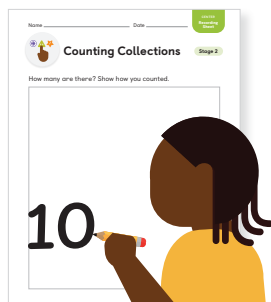
Talk with your partner about how to count the objects.

2



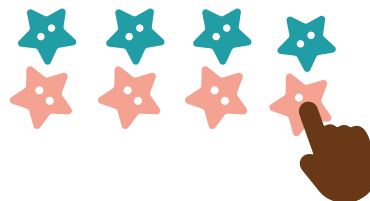
Count the objects together.

3



Record how many you counted.

4

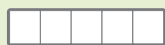


Choose a new collection and repeat.

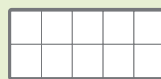
Let's count and show how many.

Pairs

You'll need . . .



5-frames



10-frames



collection of objects (up to 20)



Recording Sheet

Name _____ Date _____



Counting Collections

Stage 2

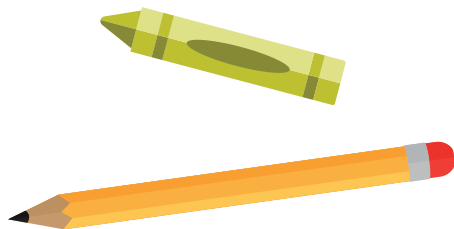
How many are there? Show how you counted.



Estimate and Measure

Stage 1

1



Choose 2 objects to compare.

2

Shorter



Longer



Predict which object is longer and which is shorter.

3




Compare the objects' lengths to test your prediction.

4



Choose 2 new objects to compare.

Let's make predictions and comparisons about length.

Independent 

You'll need . . .



objects to compare



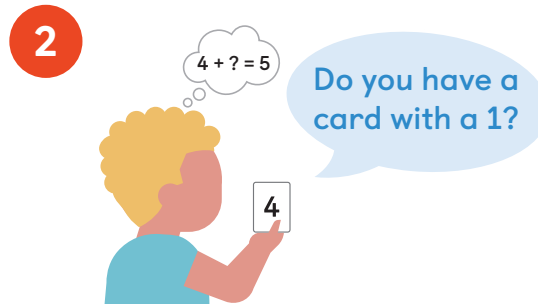
Work Mat (optional)



Find the Pair



Each player draws 5 cards and lays the rest facedown in a pile.



Make a pair with only a card from your partner or the pile. Ask your partner for a number card that makes 5.

3 **Yes?** Put the pair of cards down and fill in the equation.
No? Draw a card from the pile. If you can make 5 with one of your cards, put the pair down and fill in the equation.



Take turns asking for cards to make 5. The player who makes more pairs wins.

Let's find pairs that make 5.

Pairs

You'll need . . .



Number Cards, 0-5



Recording Sheet

Name _____ Date _____



Find the Pair

Stage 1

Pairs that make 5

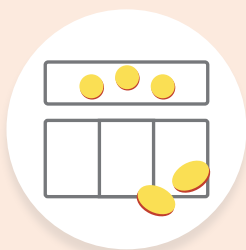
$$\underline{\quad\quad} + \underline{\quad\quad} = 5$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 5$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 5$$

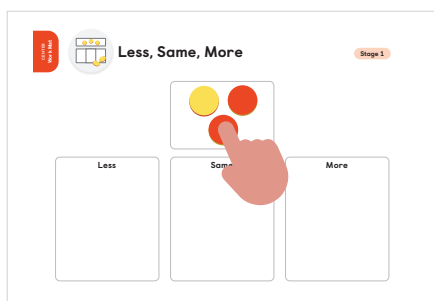
$$\underline{\quad\quad} + \underline{\quad\quad} = 5$$

$$\underline{\quad\quad} + \underline{\quad\quad} = 5$$



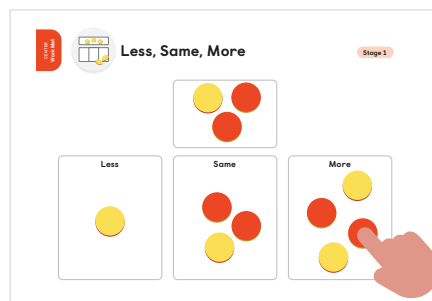
Less, Same, More

1



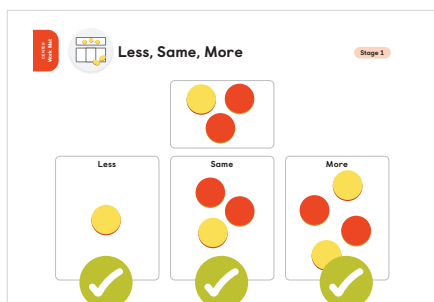
Choose a handful of counters, and place them in the box at the top of your Work Mat.

2



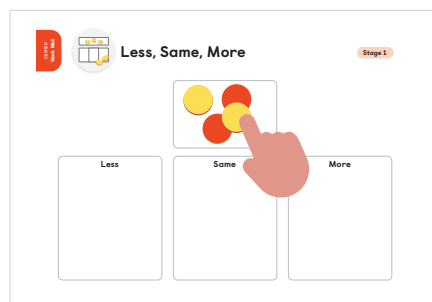
Place counters on the Work Mat to show *less*, *same*, and *more*.

3



Trade Work Mats with your partner, and check their work.

4



Play again with a new handful of counters.

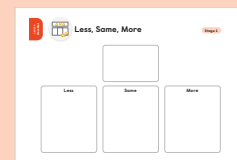
Let's make less, more, and the same number with objects.

Pairs

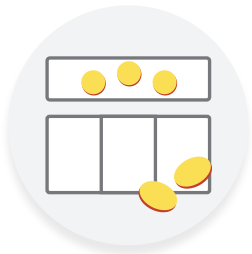
You'll need . . .



counters



Work Mat



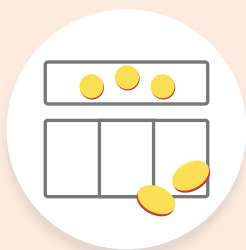
Less, Same, More

Stages 1-4

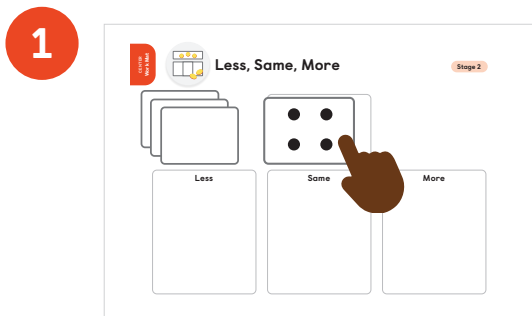
Less

Same

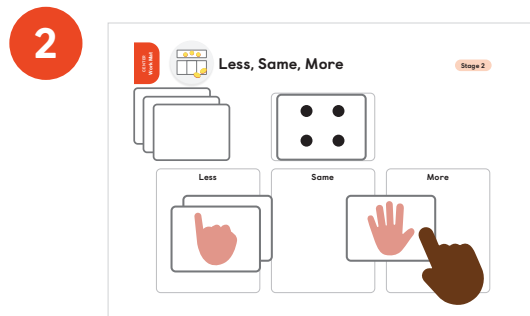
More



Less, Same, More



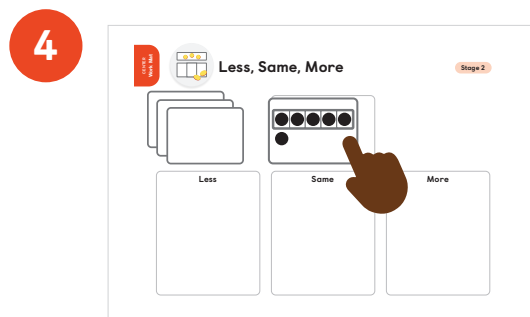
1 Draw one card, and place it in the box at the top of your Work Mat.



2 Flip over each card and sort to show *less*, *same*, or *more*.



3 Talk with your partner about your work.



4 After placing all the cards, clear the Work Mat and play again with a new card.

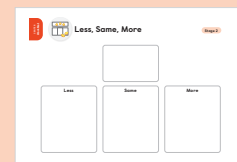
Let's sort cards to show less, more, and the same number.

Pairs

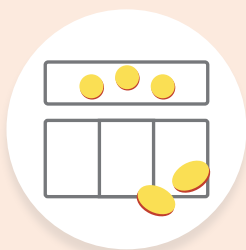
You'll need . . .



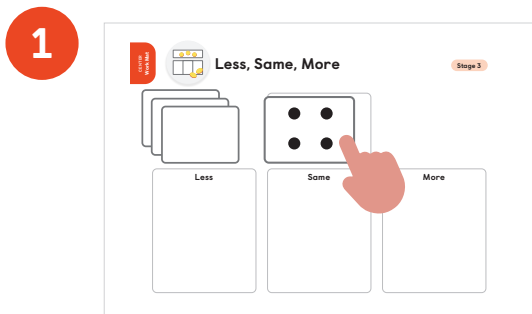
Image Cards,
Grade K



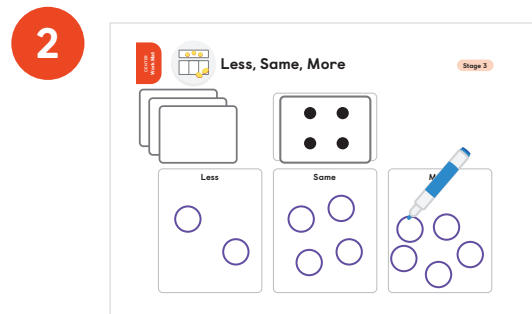
Work Mat



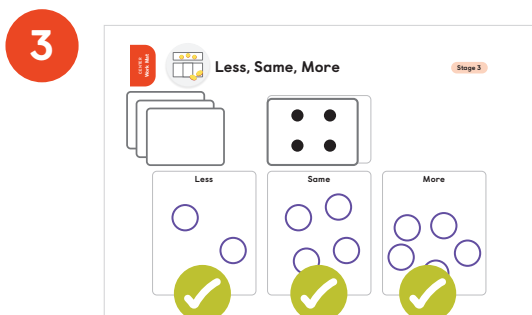
Less, Same, More



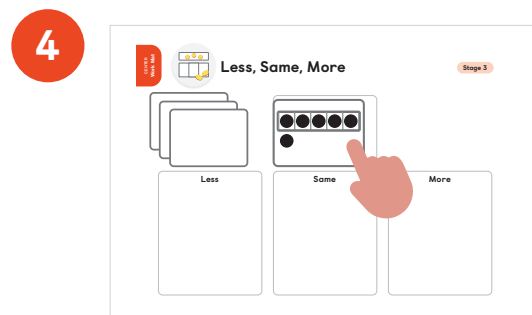
1 Draw one card and place it in the box at the top of your Work Mat.



2 Draw groups to show *less*, *same*, and *more*.



3 Trade Work Mats with your partner, and check their work.



4 Play again with a new card.

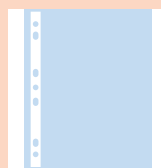
Let's draw groups to show less, more, and the same number.

Pairs 

You'll need . . .



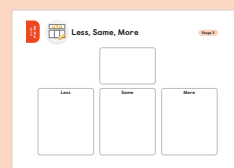
dry-erase markers



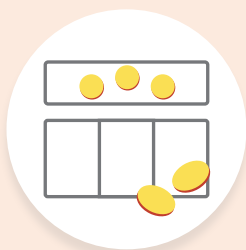
sheet protectors



Image Cards, Grade K

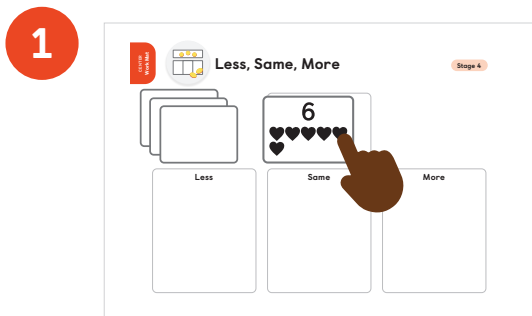


Work Mat

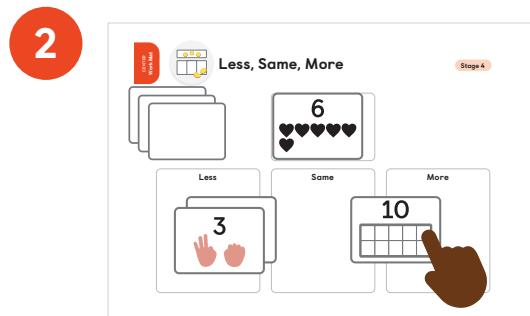


Less, Same, More

Stage 4



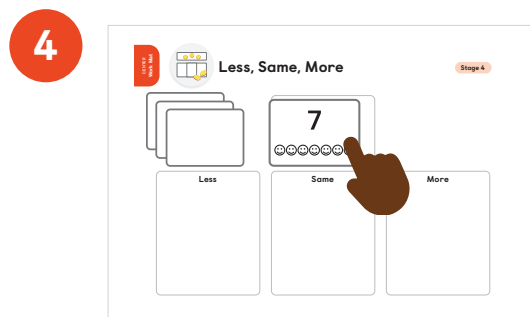
1 Draw one card, and place it in the box at the top of your Work Mat.



2 Flip over each card and sort to show *less*, *same*, or *more*.



3 Talk with your partner about your work.



4 After placing all the cards, clear the Work Mat and play again with a new card.

Let's sort cards to show less, more, and the same number.

Pairs

You'll need . . .



Number and Image Cards




Work Mat



Less, Same, More

Stage 4

CENTER
Cards
(p. 1 of 2)

 **Directions:** Make one copy per pair of students. Pre-cut the cards and distribute them so that each pair of students receives one set of cards.

1



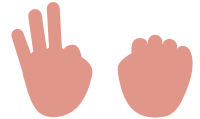
Less, Same, More, Stage 4

2



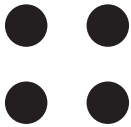
Less, Same, More, Stage 4

3



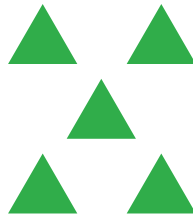
Less, Same, More, Stage 4

4



Less, Same, More, Stage 4

5



Less, Same, More, Stage 4

6



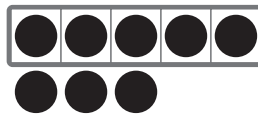
Less, Same, More, Stage 4

7



Less, Same, More, Stage 4

8



Less, Same, More, Stage 4

9



Less, Same, More, Stage 4

10



Less, Same, More, Stage 4

1



Less, Same, More, Stage 4

2



Less, Same, More, Stage 4



Less, Same, More

Stage 4

CENTER
Cards
(p. 2 of 2)

3



Less, Same, More, Stage 4

4



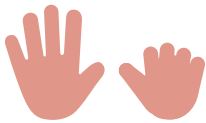
Less, Same, More, Stage 4

5



Less, Same, More, Stage 4

6



Less, Same, More, Stage 4

7



Less, Same, More, Stage 4

8



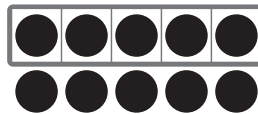
Less, Same, More, Stage 4

9

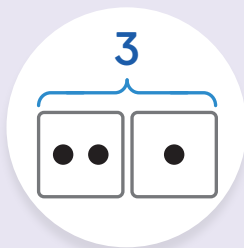


Less, Same, More, Stage 4

10

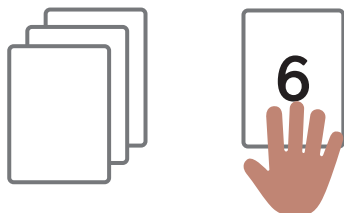


Less, Same, More, Stage 4



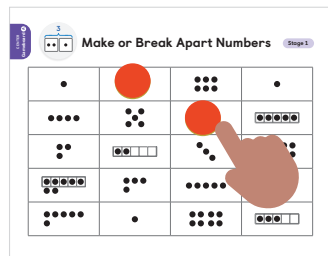
Make or Break Apart Numbers

1



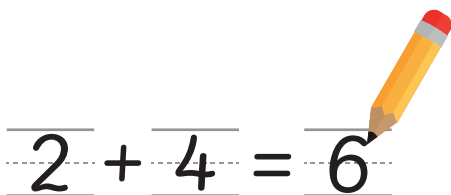
Draw a Number Card.

2



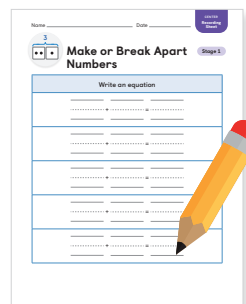
Each player tries to find two groups that make that number. If you find two groups, cover them.

3



Write an equation to represent the two parts that make the number.

4

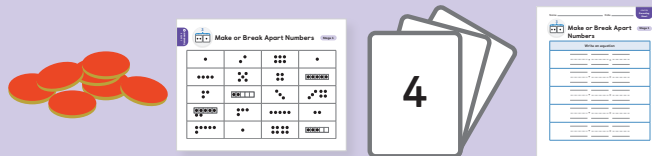


Take turns until the Recording Sheet is full.

Let's put two groups together to make a number.

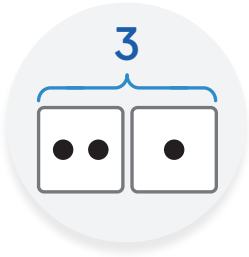
Groups

You'll need . . .



counters Gameboards Number Recording
A-D Cards, 4-9 Sheet

Name _____ Date _____



Make or Break Apart Numbers

Stage 1

Write an equation

$$\begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} + \begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} = \begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

$$\begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} + \begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} = \begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

$$\begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} + \begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} = \begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

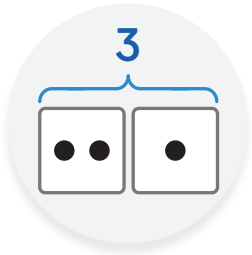
$$\begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} + \begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} = \begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

$$\begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} + \begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} = \begin{array}{r} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$



Make or Break Apart Numbers

Stage 1



Make or Break Apart Numbers

Stage 1



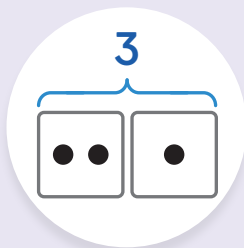
Make or Break Apart Numbers

Stage 1



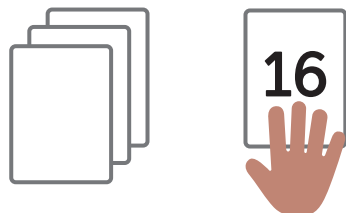
Make or Break Apart Numbers

Stage 1



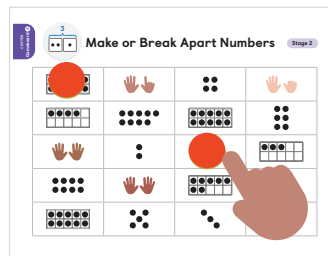
Make or Break Apart Numbers

1



Draw a Number Card.

2



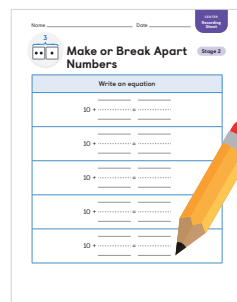
Each player covers a group of 10 and another group to make that number.

3

$$\underline{10} + \underline{6} = \underline{16}$$

Fill in the equation to show the parts and the total.

4

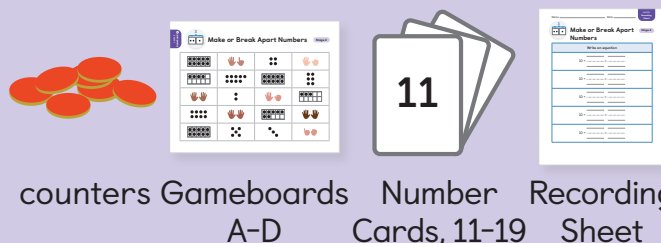


Take turns until the Recording Sheet is full.

Let's put two groups together to make a number.

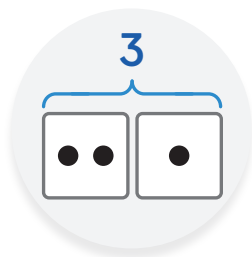
Pairs

You'll need . . .



counters Gameboards Number Recording
A-D Cards, 11-19 Sheet

Name _____ Date _____



Make or Break Apart Numbers

Stage 2

Write an equation

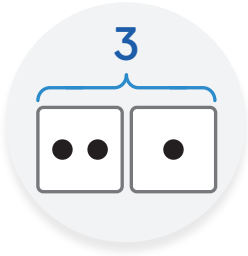
$$10 + \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} = \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

$$10 + \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} = \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

$$10 + \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} = \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

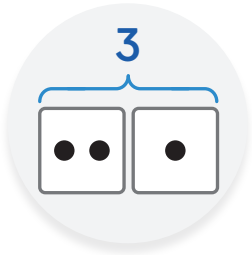
$$10 + \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} = \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

$$10 + \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} = \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$



Make or Break Apart Numbers

Stage 2



Make or Break Apart Numbers

Stage 2



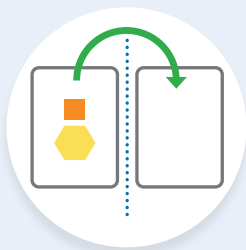
Make or Break Apart Numbers

Stage 2



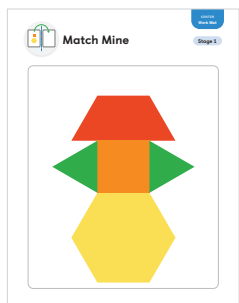
Make or Break Apart Numbers

Stage 2



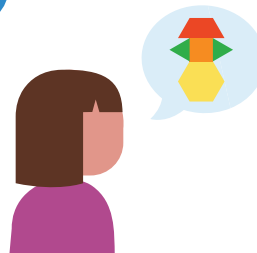
Match Mine

1



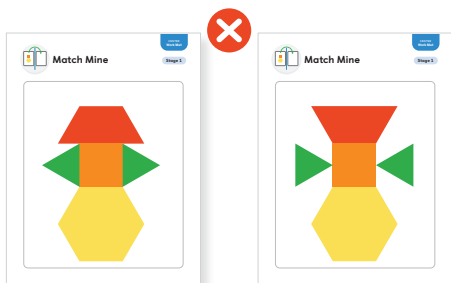
Build a shape using 5 pattern blocks. Don't let your partner see it!

2



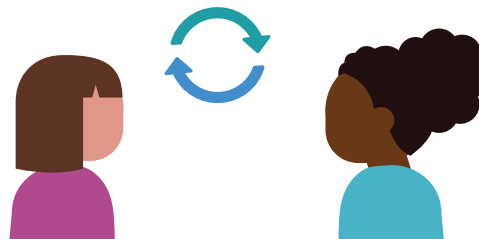
Tell your partner how to build your shape.

3



Show your shape and check to see if your shapes match.

4

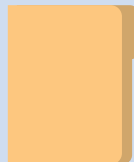


Take turns building and matching shapes.

Let's build and describe shapes.

Pairs

You'll need . . .



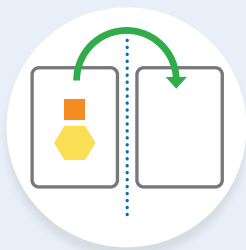
folders or dividers



pattern blocks



Work Mat



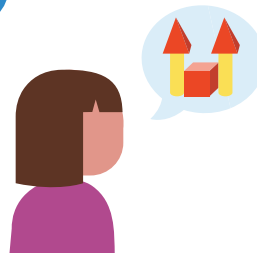
Match Mine

1



Build a shape using 5 solid shapes. Don't let your partner see it!

2



Tell your partner how to build your shape.

3



Show your shape, and check to see if your shapes match.

4

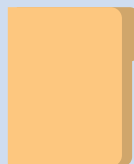


Take turns building and matching shapes.

Let's build and describe shapes.

Pairs

You'll need . . .



folders or dividers



geosolids,
2 sets



Work Mat



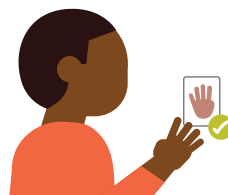
Math Fingers

1



Draw a card.

2



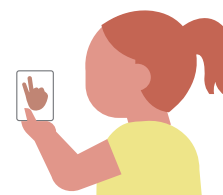
Partner A: Show the same number of fingers as the card.

3



Partner B: Tell the number of fingers shown.

4



Take turns.

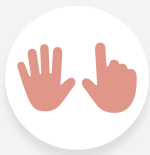
Let's show and say the same number of fingers shown.

Pairs

You'll need . . .



Math Fingers Cards



Math Fingers

Stages 1 and 2

CENTER
Cards

✂ - **Directions:** Make one copy per pair of students. Pre-cut the cards and distribute them so that each pair of students receives one set of cards.



Math Fingers, Stages 1 and 2



Math Fingers, Stages 1 and 2



Math Fingers, Stages 1 and 2



Math Fingers, Stages 1 and 2



Math Fingers, Stages 1 and 2



Math Fingers, Stages 1 and 2



Math Fingers, Stages 1 and 2



Math Fingers, Stages 1 and 2



Math Fingers, Stages 1 and 2



Math Fingers, Stages 1 and 2



Math Fingers

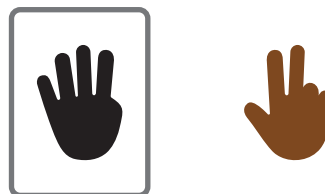
1



Draw a card.

2

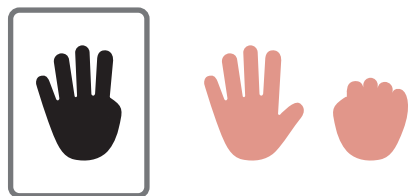
Fewer



Partner A: Use your fingers to show a quantity that is fewer.

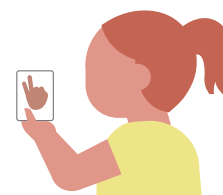
3

More



Partner B: Use your fingers to show a quantity that is more.

4



Take turns.

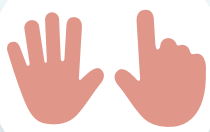
Let's use our fingers to show more and less.

Pairs

You'll need . . .

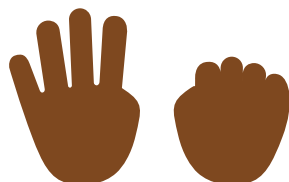


Math Fingers Cards



Math Fingers

1



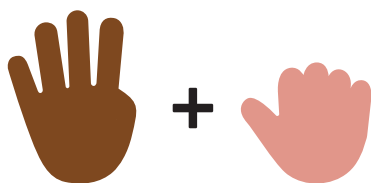
Partner A: Hold up some fingers on one hand.

2



Partner B: Hold up some fingers on one hand.

3



Work together to find how many total fingers are up.

4

4 and 1 is 5.

$$\underline{4} + \underline{1} = \underline{5}$$

Record it.

Let's add fingers on two hands.

Pairs

You'll need . . .



Recording Sheet A or B

Name _____ Date _____



Math Fingers

Stage 3

Words and numbers

_____ and _____ is _____ .

_____ and _____ is _____ .

_____ and _____ is _____ .

_____ and _____ is _____ .

_____ and _____ is _____ .

Name _____ Date _____



Math Fingers

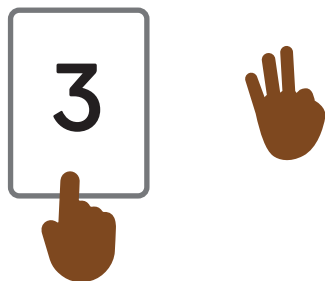
Stage 3

Equation
<p>_____ + _____ = _____</p> <p>----- + ----- = -----</p> <p>_____ + _____ = _____</p>
<p>_____ + _____ = _____</p> <p>----- + ----- = -----</p> <p>_____ + _____ = _____</p>
<p>_____ + _____ = _____</p> <p>----- + ----- = -----</p> <p>_____ + _____ = _____</p>
<p>_____ + _____ = _____</p> <p>----- + ----- = -----</p> <p>_____ + _____ = _____</p>
<p>_____ + _____ = _____</p> <p>----- + ----- = -----</p> <p>_____ + _____ = _____</p>



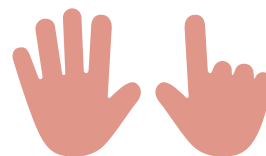
Math Fingers

1



Partner A: Draw a Number Card and show that number of fingers.

2



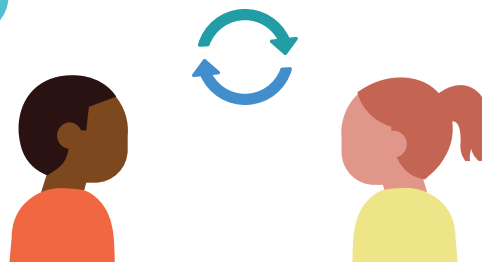
Partner B: Find how many more fingers are needed to make 10.

3

$$10 = \underline{3} + \underline{7}$$

Both partners fill in an equation to show the two parts that make 10.

4



Take turns until the Recording Sheet is full.

Let's use our fingers to make 10.

Pairs

You'll need . . .



Number Cards,
0-10



Recording Sheet

Name _____ Date _____



Math Fingers

Stage 4

Equation

$$10 = \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} + \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

$$10 = \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} + \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

$$10 = \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} + \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

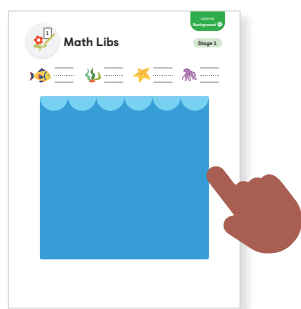
$$10 = \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} + \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$

$$10 = \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array} + \begin{array}{c} \text{_____} \\ \text{-----} \\ \text{_____} \end{array}$$



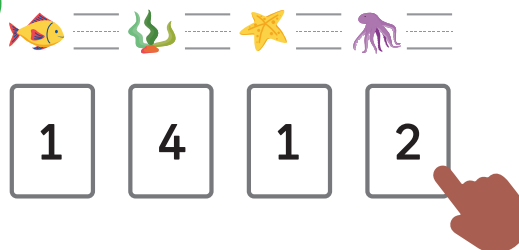
Math Libs

1



Choose a Background.

2



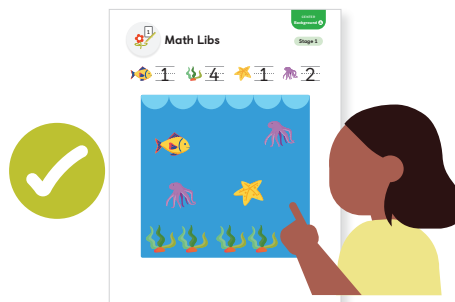
Draw a Number Card for each object in the scene.

3



Record the numbers on each line. Draw a picture with the correct number of each object.

4

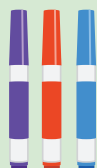


Have your partner check your picture.

Let's create picture scenes with different quantities of each picture.

Pairs

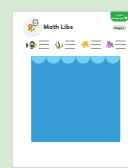
You'll need . . .



dry-erase markers



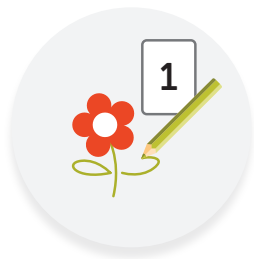
sheet protectors



Math Libs Backgrounds A-H

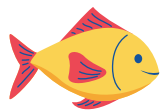


Number Cards, 1-10



Math Libs

Stage 1









A large blue rectangular area with a scalloped top edge, intended for writing a story.



Math Libs

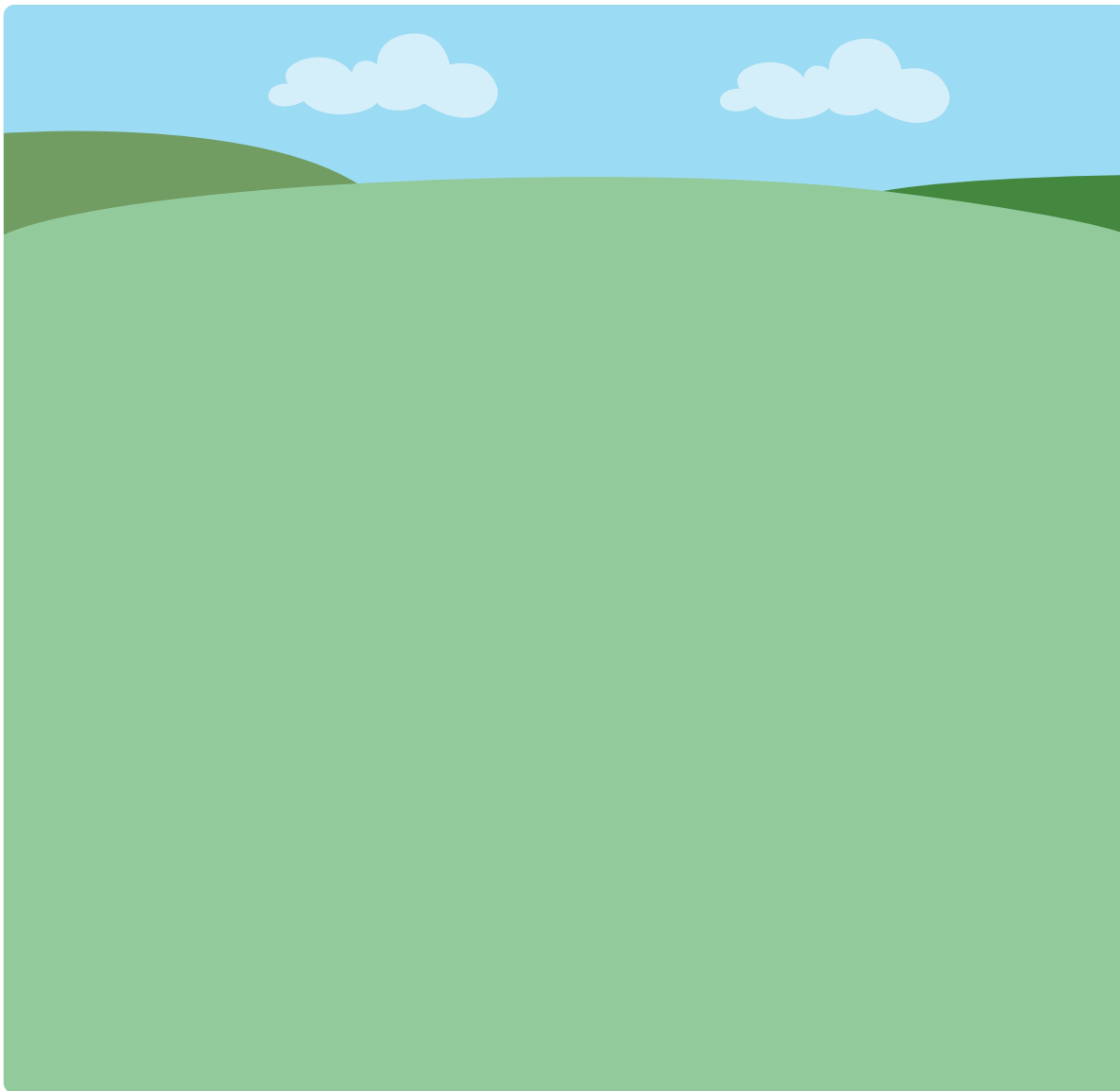
Stage 1







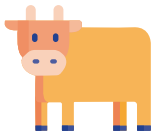






Math Libs

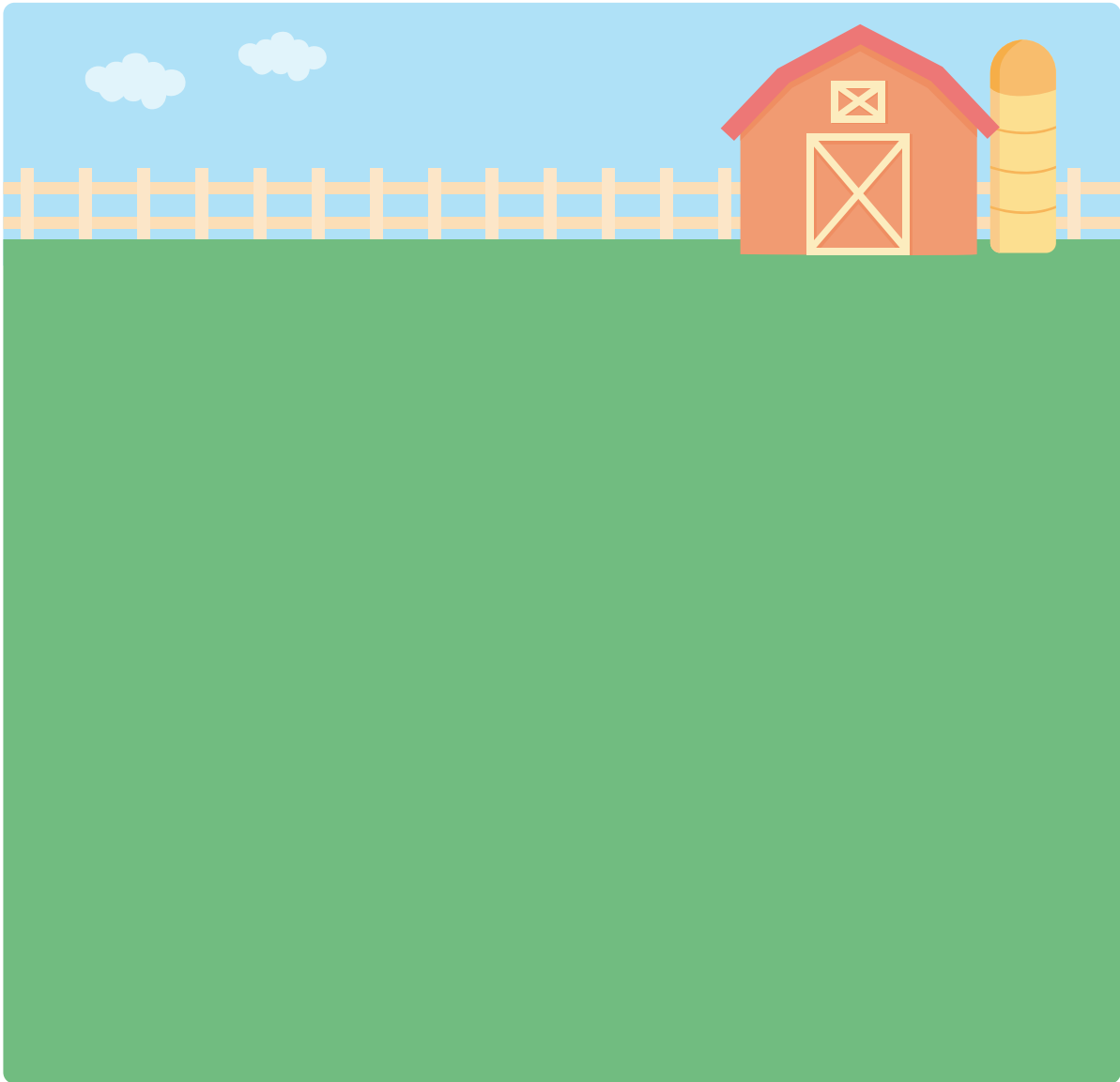
Stage 1

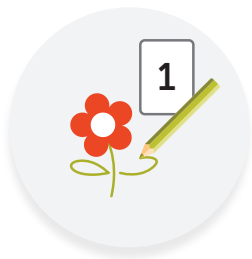






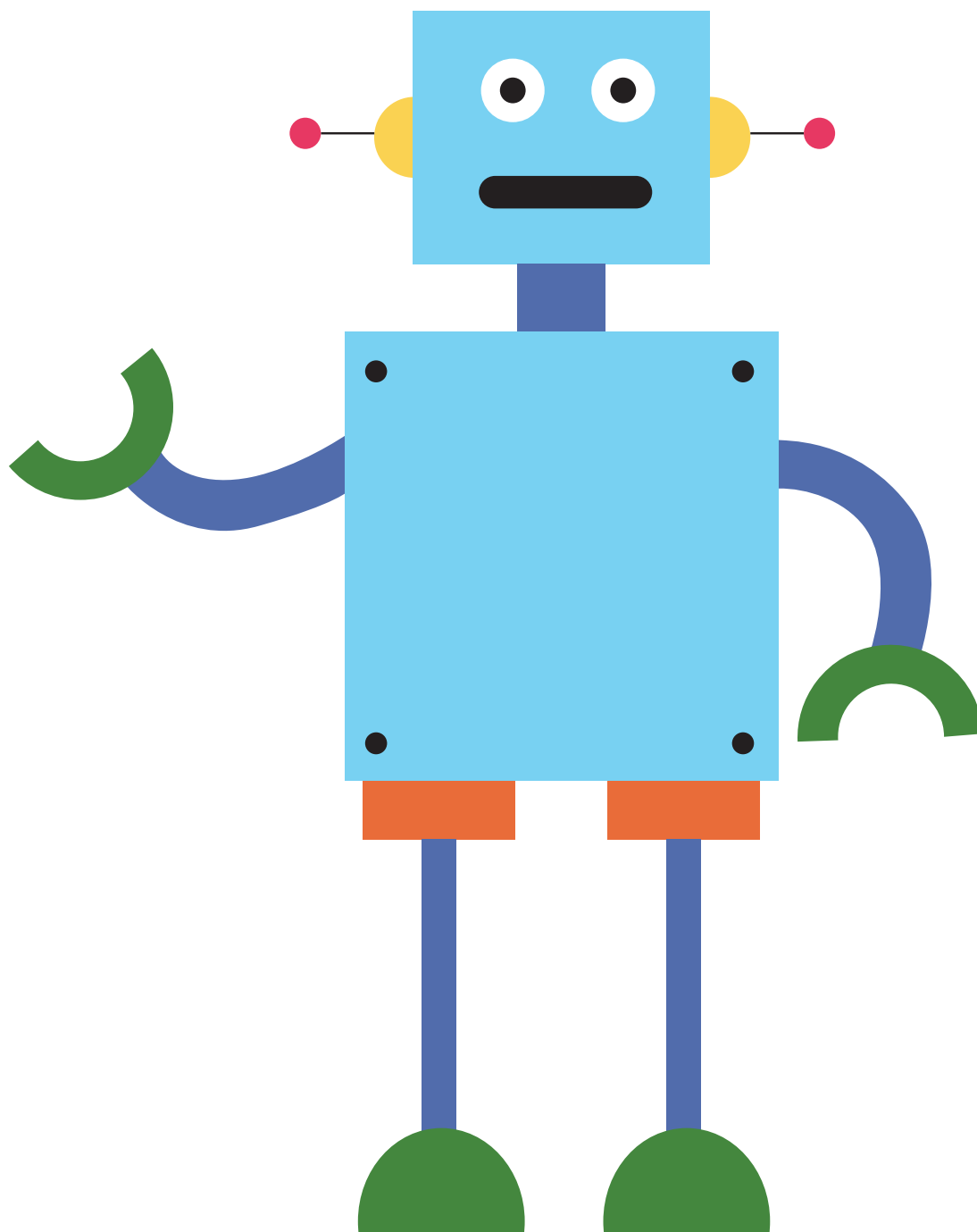


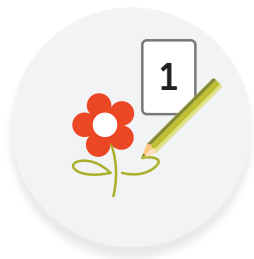




Math Libs

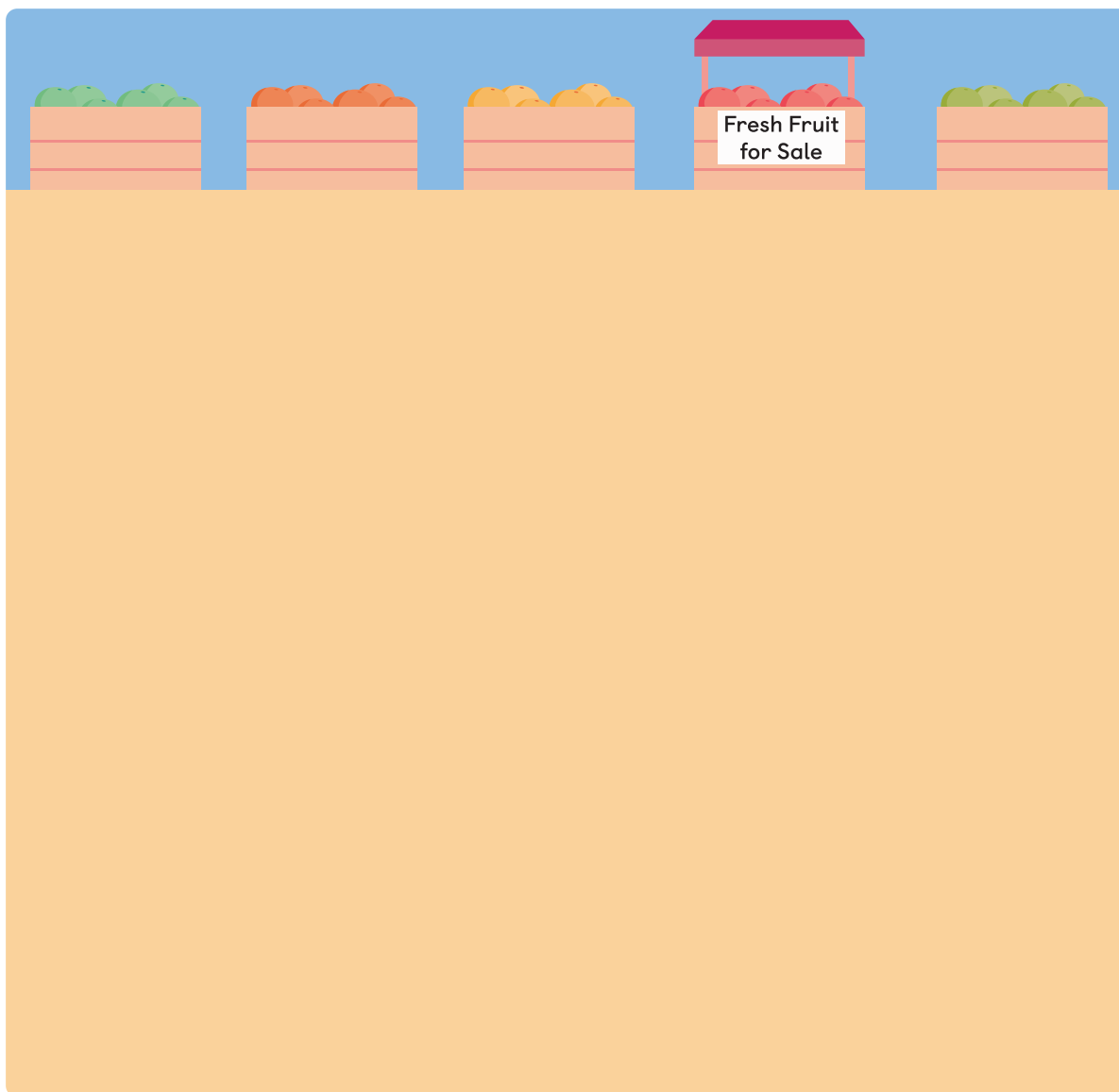
Stage 1





Math Libs

Stage 1





Math Libs

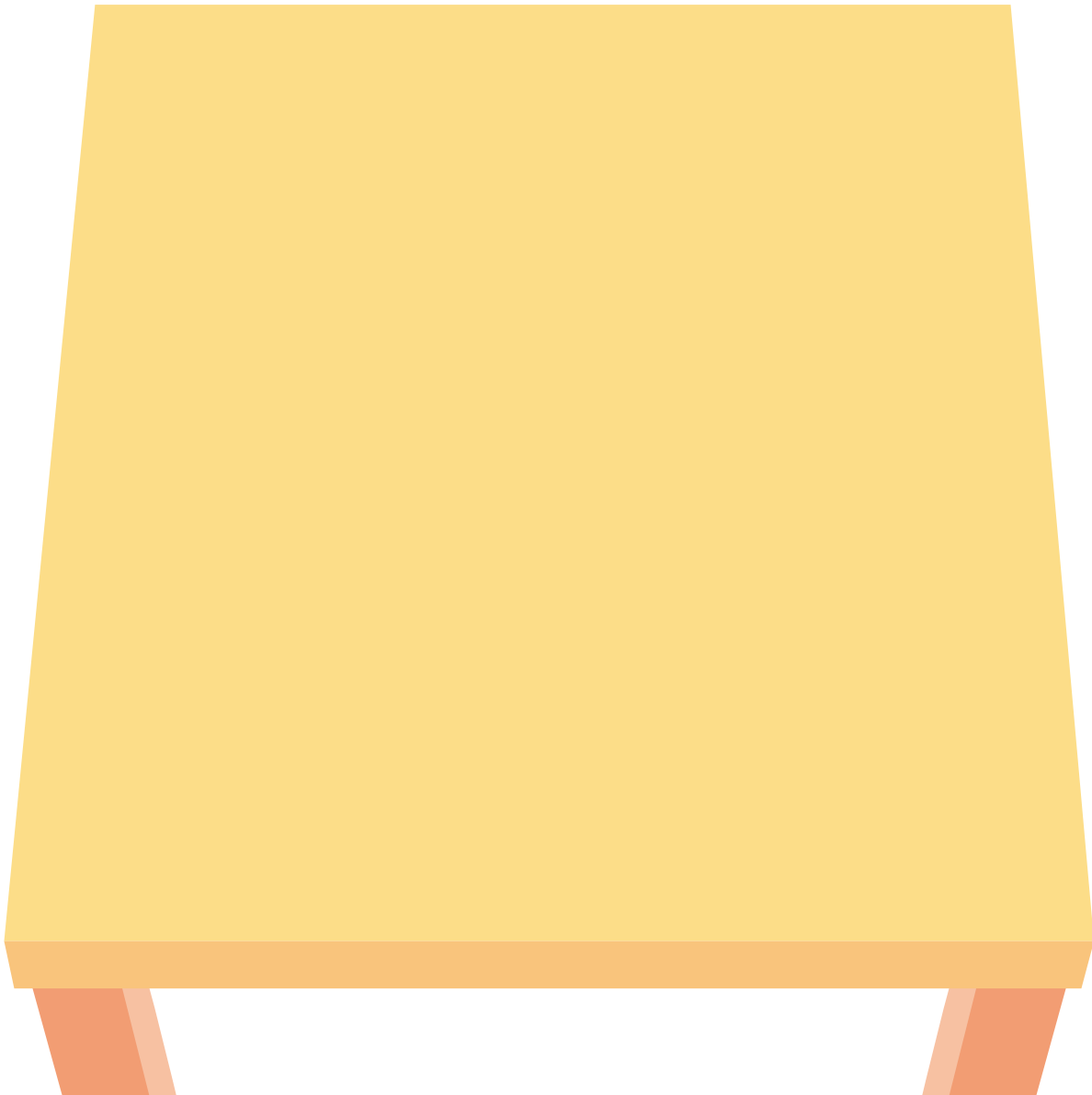
Stage 1

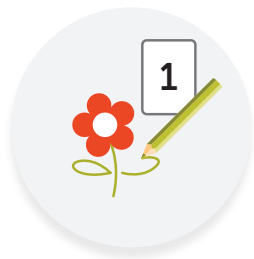












Math Libs

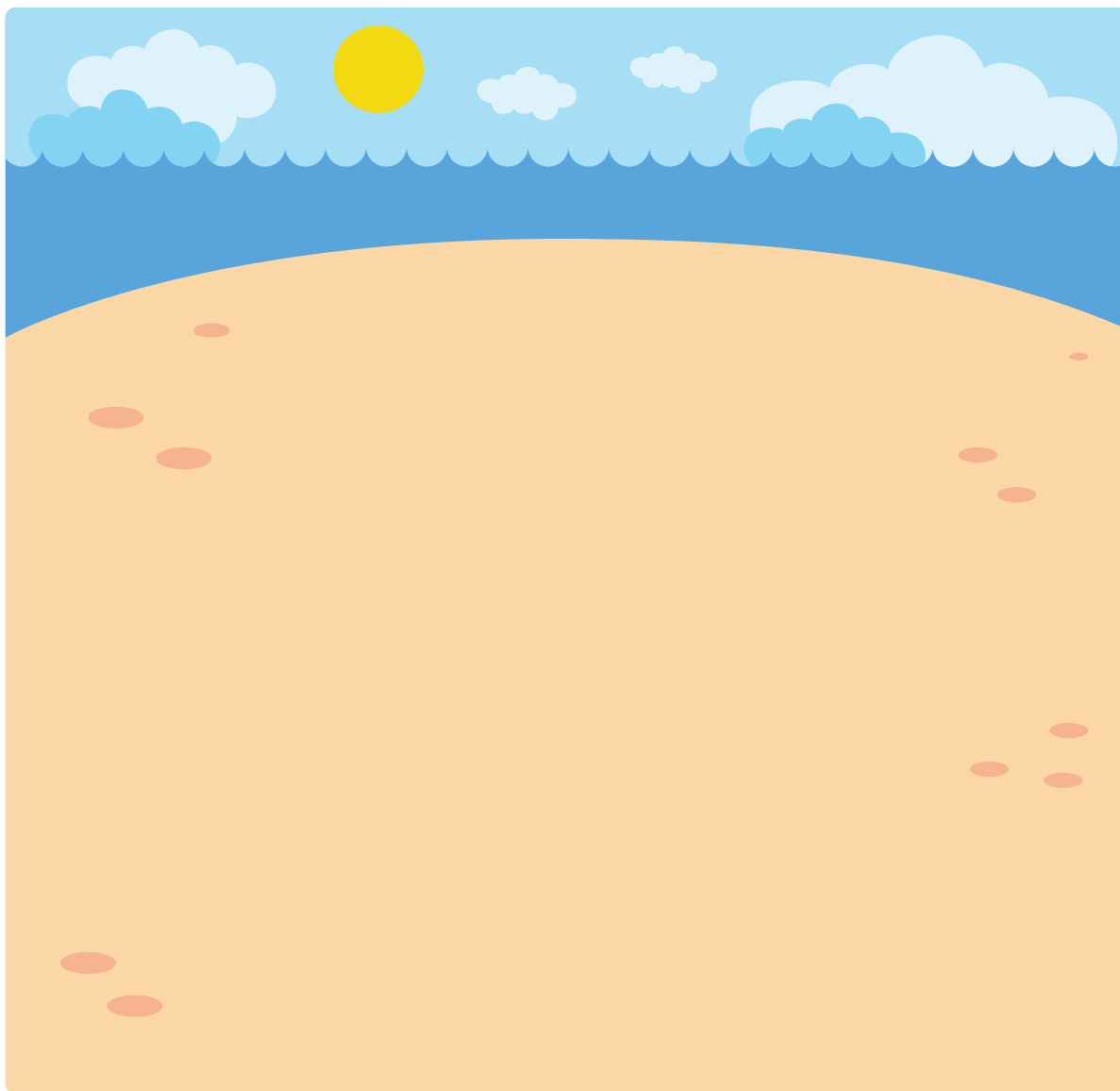
Stage 1













Math Libs

Stage 1







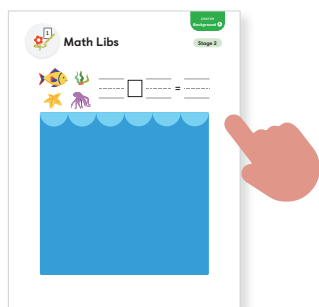


A large blue rectangular area for writing. At the top, there is a row of colorful buildings: orange, purple, blue, yellow, green, red, pink, and yellow. Below the buildings is a grey sidewalk. The main area is blue and contains three sets of horizontal lines for writing: a solid top line, a dashed middle line, and a solid bottom line.



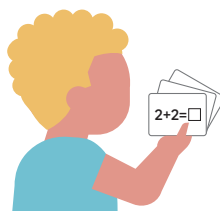
Math Libs

1



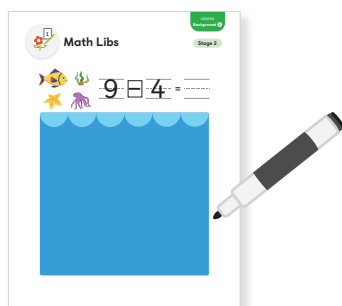
Choose a Background.

2



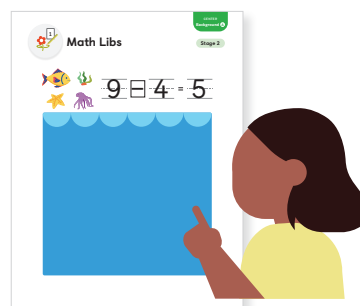
Flip over an equation card.

3



Use the equation to draw an addition or subtraction story.

4

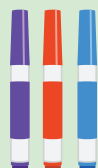


Have your partner find the answer to your story.

Let's create picture scenes to represent addition or subtraction stories.

Pairs

You'll need . . .



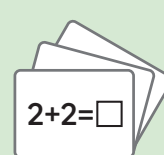
dry-erase markers



sheet protectors



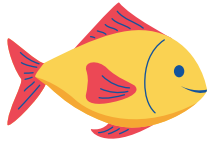
Math Libs Backgrounds A-H

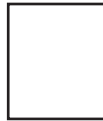


Addition and Subtraction Equation Cards



Math Libs





=



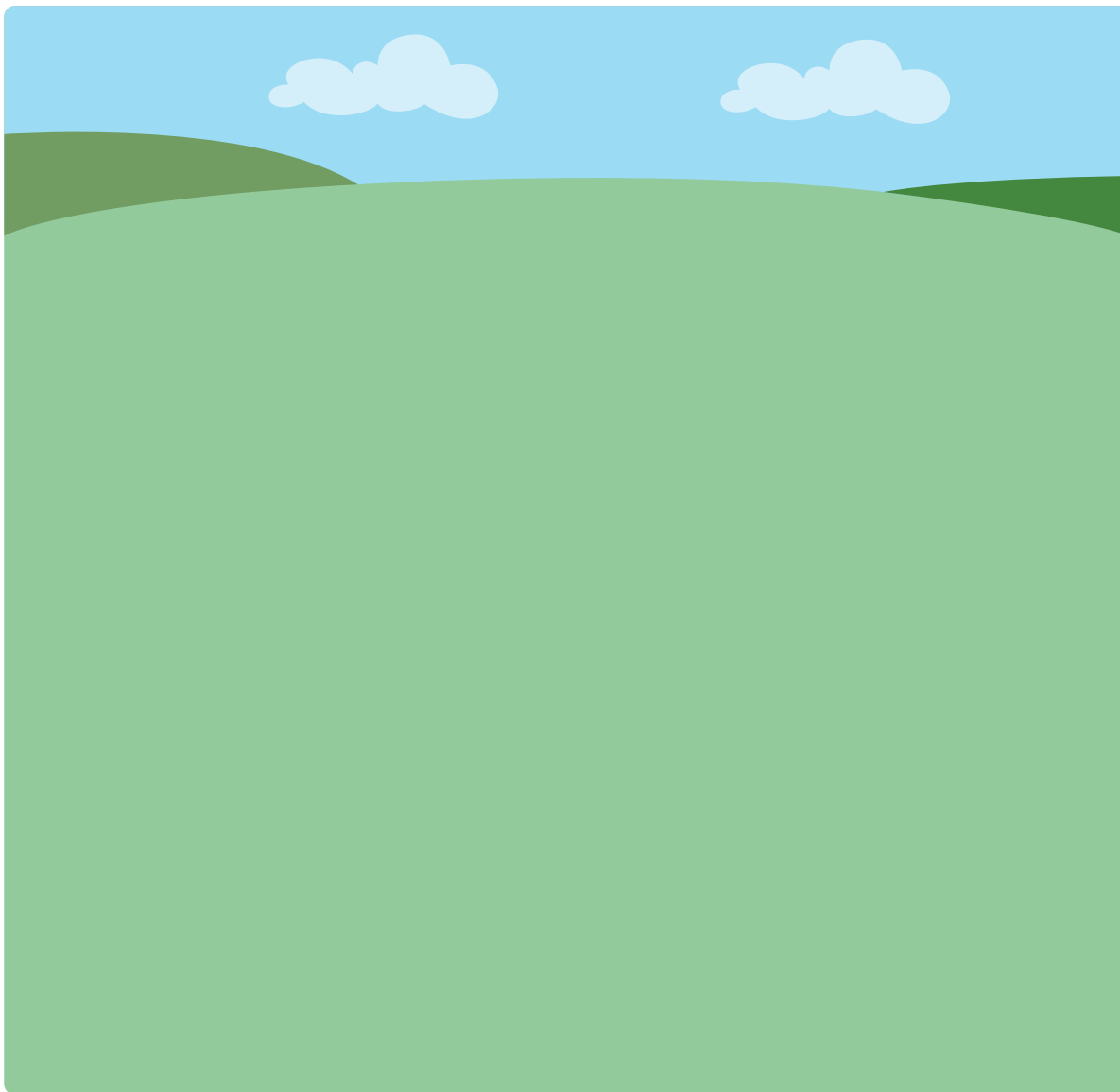
Large blue writing area with a scalloped top edge.



Math Libs

Stage 2

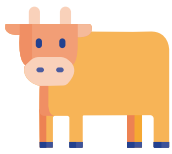


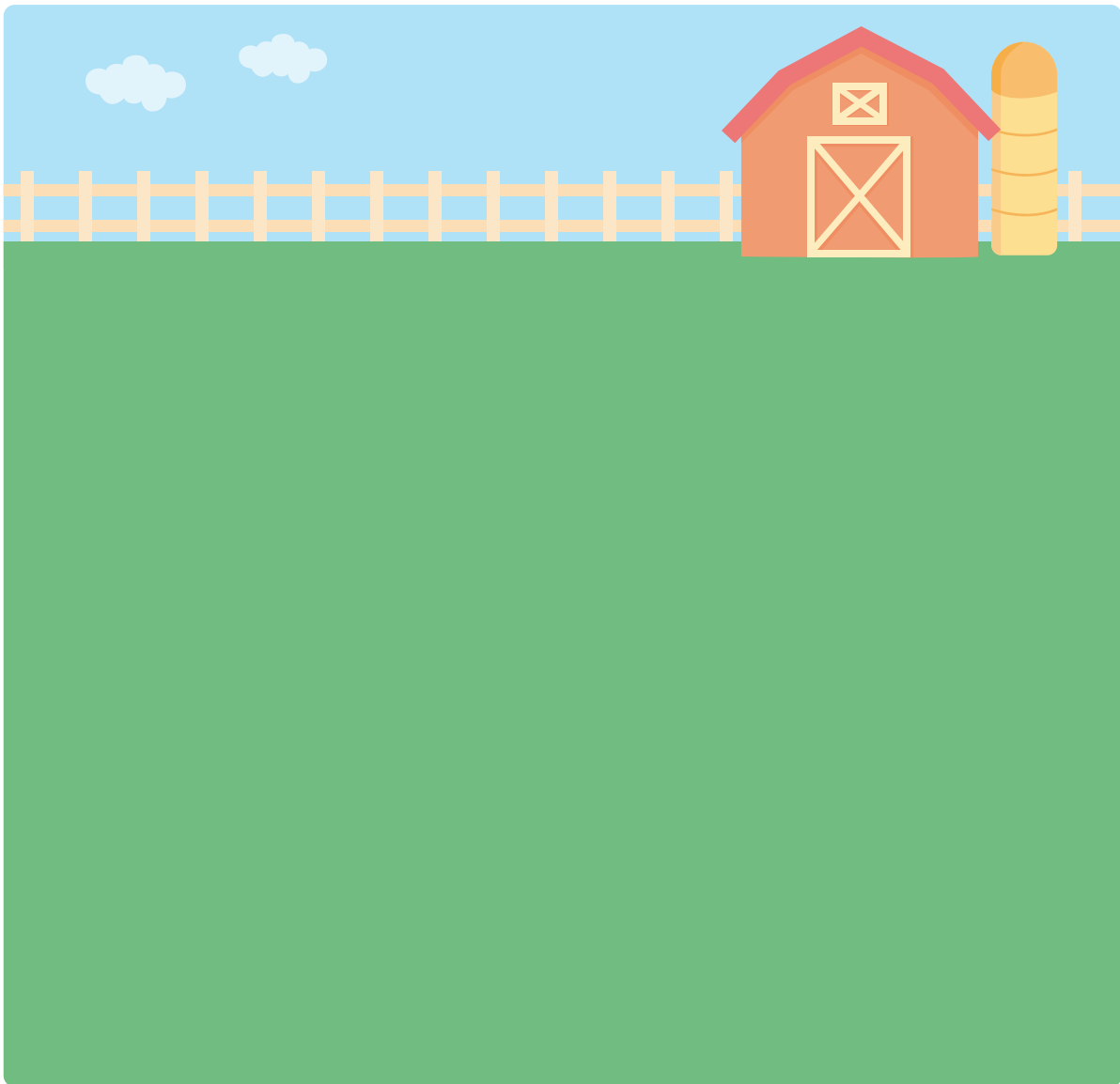


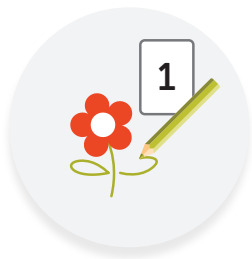


Math Libs

Stage 2

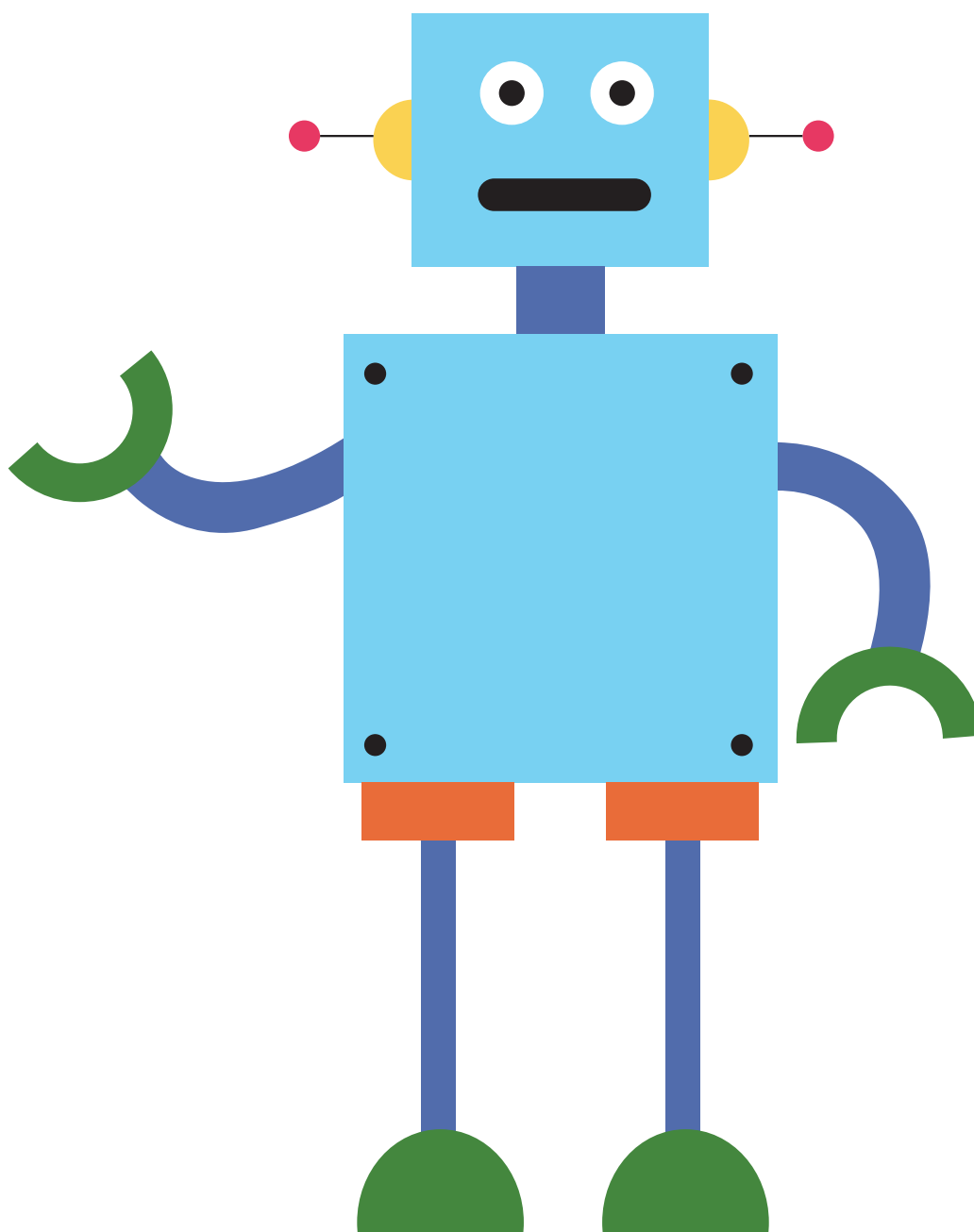
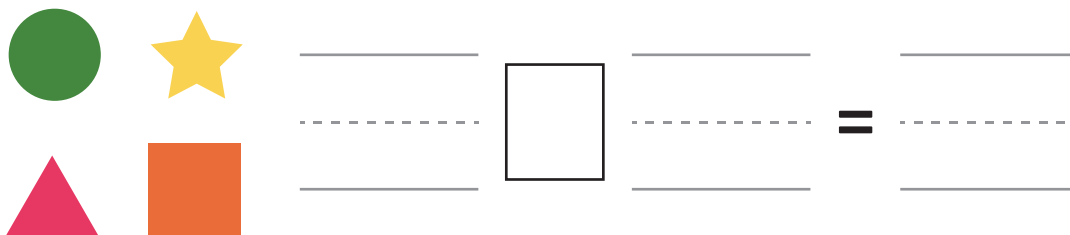






Math Libs

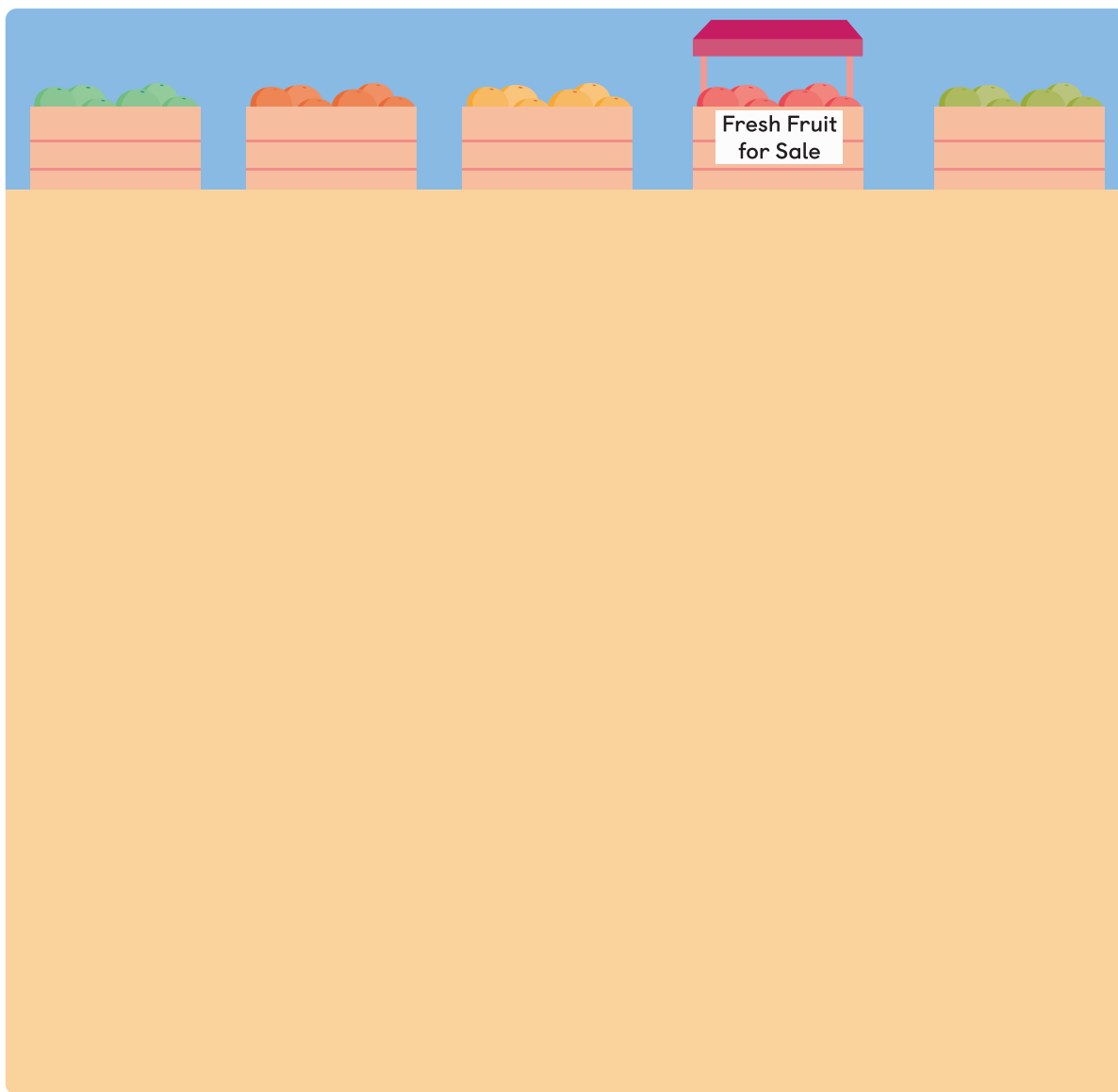
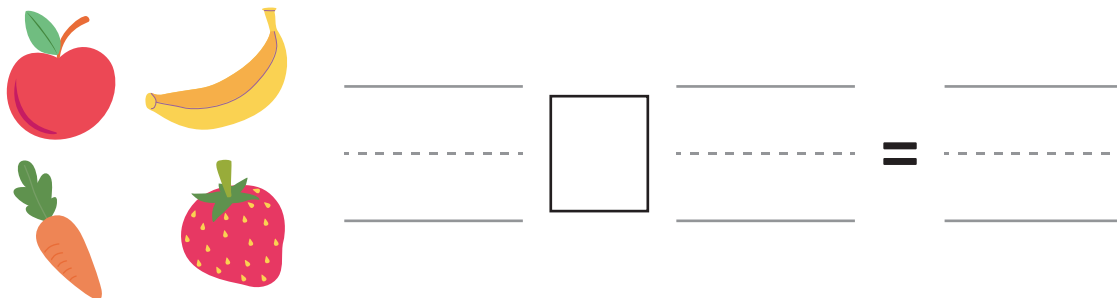
Stage 2





Math Libs

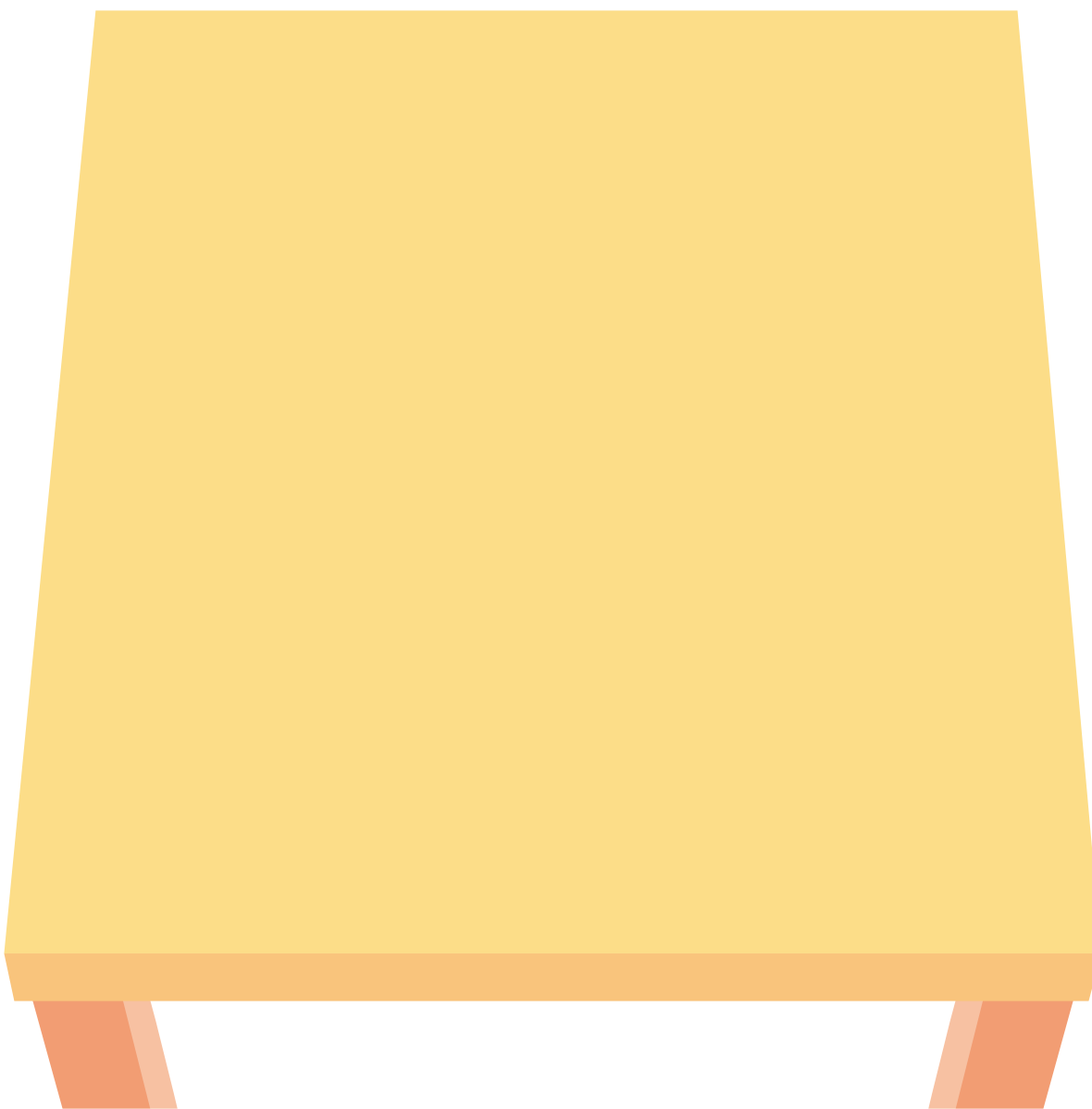
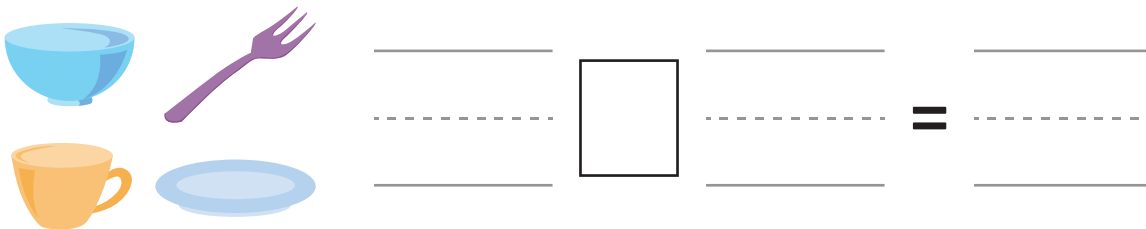
Stage 2





Math Libs

Stage 2





Math Libs


Stage 2



Addition and Subtraction Equations (up to 10)

Stage 2

CENTER
Addition and
Subtraction
Equation Cards
(p. 1 of 8)

 **Directions:** Make one copy per pair of students. Pre-cut the cards and distribute them so that each pair receives one set of cards.

$$8 - 6 = \underline{\quad}$$

Subtraction Equations

$$8 - 4 = \underline{\quad}$$

Subtraction Equations

$$9 - 9 = \underline{\quad}$$

Subtraction Equations

$$8 - 2 = \underline{\quad}$$

Subtraction Equations

$$8 - 7 = \underline{\quad}$$

Subtraction Equations

$$9 - 7 = \underline{\quad}$$

Subtraction Equations

$$9 - 5 = \underline{\quad}$$

Subtraction Equations

$$9 - 8 = \underline{\quad}$$

Subtraction Equations

$$9 - 6 = \underline{\quad}$$

Subtraction Equations

$$9 - 4 = \underline{\quad}$$

Subtraction Equations

$$7 - 4 = \underline{\quad}$$

Subtraction Equations

$$7 - 7 = \underline{\quad}$$

Subtraction Equations

$$9 - 3 = \underline{\quad}$$

Subtraction Equations

$$7 - 3 = \underline{\quad}$$

Subtraction Equations

$$7 - 6 = \underline{\quad}$$

Subtraction Equations



Addition and Subtraction Equations (up to 10)

Stage 2

CENTER
Addition and
Subtraction
Equation Cards
(p. 2 of 8)

$$9 - 1 = \underline{\quad}$$

Subtraction Equations

$$7 - 1 = \underline{\quad}$$

Subtraction Equations

$$7 - 2 = \underline{\quad}$$

Subtraction Equations

$$7 - 5 = \underline{\quad}$$

Subtraction Equations

$$9 - 2 = \underline{\quad}$$

Subtraction Equations

$$6 - 5 = \underline{\quad}$$

Subtraction Equations

$$6 - 6 = \underline{\quad}$$

Subtraction Equations

$$5 - 5 = \underline{\quad}$$

Subtraction Equations

$$6 - 2 = \underline{\quad}$$

Subtraction Equations

$$6 - 4 = \underline{\quad}$$

Subtraction Equations

$$5 - 4 = \underline{\quad}$$

Subtraction Equations

$$6 - 1 = \underline{\quad}$$

Subtraction Equations

$$6 - 3 = \underline{\quad}$$

Subtraction Equations

$$5 - 3 = \underline{\quad}$$

Subtraction Equations

$$3 - 3 = \underline{\quad}$$

Subtraction Equations



Addition and Subtraction Equations (up to 10)

Stage 2

CENTER
Addition and
Subtraction
Equation Cards
(p. 3 of 8)

$$5 - 1 = \underline{\quad}$$

Subtraction Equations

$$3 - 1 = \underline{\quad}$$

Subtraction Equations

$$4 - 1 = \underline{\quad}$$

Subtraction Equations

$$4 - 4 = \underline{\quad}$$

Subtraction Equations

$$5 - 2 = \underline{\quad}$$

Subtraction Equations

$$3 - 2 = \underline{\quad}$$

Subtraction Equations

$$4 - 3 = \underline{\quad}$$

Subtraction Equations

$$2 - 1 = \underline{\quad}$$

Subtraction Equations

$$10 - 1 = \underline{\quad}$$

Subtraction Equations

$$4 - 2 = \underline{\quad}$$

Subtraction Equations

$$2 - 2 = \underline{\quad}$$

Subtraction Equations

$$1 - 1 = \underline{\quad}$$

Subtraction Equations

$$10 - 7 = \underline{\quad}$$

Subtraction Equations

$$10 - 1 = \underline{\quad}$$

Subtraction Equations

$$10 - 6 = \underline{\quad}$$

Subtraction Equations



Addition and Subtraction Equations (up to 10)

Stage 2

CENTER
Addition and
Subtraction
Equation Cards

(p. 4 of 8)

$$10 - 5 = \underline{\quad}$$

Subtraction Equations

$$10 - 9 = \underline{\quad}$$

Subtraction Equations

$$10 - 8 = \underline{\quad}$$

Subtraction Equations

$$10 - 0 = \underline{\quad}$$

Subtraction Equations

$$10 - 3 = \underline{\quad}$$

Subtraction Equations

$$10 - 4 = \underline{\quad}$$

Subtraction Equations

$$10 - 2 = \underline{\quad}$$

Subtraction Equations



Addition and Subtraction Equations (up to 10)

Stage 2

CENTER
Addition and
Subtraction
Equation Cards
(p. 5 of 8)

$$1 + 0 = \underline{\quad}$$

Addition Equations

$$0 + 7 = \underline{\quad}$$

Addition Equations

$$2 + 1 = \underline{\quad}$$

Addition Equations

$$5 + 0 = \underline{\quad}$$

Addition Equations

$$0 + 3 = \underline{\quad}$$

Addition Equations

$$3 + 1 = \underline{\quad}$$

Addition Equations

$$10 + 0 = \underline{\quad}$$

Addition Equations

$$0 + 9 = \underline{\quad}$$

Addition Equations

$$4 + 1 = \underline{\quad}$$

Addition Equations

$$1 + 1 = \underline{\quad}$$

Addition Equations

$$1 + 2 = \underline{\quad}$$

Addition Equations

$$5 + 1 = \underline{\quad}$$

Addition Equations

$$1 + 3 = \underline{\quad}$$

Addition Equations

$$6 + 1 = \underline{\quad}$$

Addition Equations

$$1 + 7 = \underline{\quad}$$

Addition Equations



Addition and Subtraction Equations (up to 10)

Stage 2

CENTER
Addition and
Subtraction
Equation Cards
(p. 6 of 8)

$1 + 4 = \underline{\quad}$

Addition Equations

$7 + 1 = \underline{\quad}$

Addition Equations

$1 + 8 = \underline{\quad}$

Addition Equations

$1 + 5 = \underline{\quad}$

Addition Equations

$8 + 1 = \underline{\quad}$

Addition Equations

$1 + 9 = \underline{\quad}$

Addition Equations

$1 + 6 = \underline{\quad}$

Addition Equations

$9 + 1 = \underline{\quad}$

Addition Equations

$2 + 2 = \underline{\quad}$

Addition Equations

$2 + 3 = \underline{\quad}$

Addition Equations

$3 + 2 = \underline{\quad}$

Addition Equations

$2 + 6 = \underline{\quad}$

Addition Equations

$2 + 4 = \underline{\quad}$

Addition Equations

$4 + 2 = \underline{\quad}$

Addition Equations

$2 + 7 = \underline{\quad}$

Addition Equations



Addition and Subtraction Equations (up to 10)

Stage 2

CENTER
Addition and
Subtraction
Equation Cards
(p. 7 of 8)

$$2 + 3 = \underline{\quad}$$

Addition Equations

$$3 + 2 = \underline{\quad}$$

Addition Equations

$$2 + 8 = \underline{\quad}$$

Addition Equations

$$2 + 5 = \underline{\quad}$$

Addition Equations

$$5 + 2 = \underline{\quad}$$

Addition Equations

$$3 + 3 = \underline{\quad}$$

Addition Equations

$$6 + 2 = \underline{\quad}$$

Addition Equations

$$4 + 3 = \underline{\quad}$$

Addition Equations

$$3 + 5 = \underline{\quad}$$

Addition Equations

$$7 + 2 = \underline{\quad}$$

Addition Equations

$$5 + 3 = \underline{\quad}$$

Addition Equations

$$3 + 6 = \underline{\quad}$$

Addition Equations

$$8 + 2 = \underline{\quad}$$

Addition Equations

$$6 + 3 = \underline{\quad}$$

Addition Equations

$$3 + 7 = \underline{\quad}$$

Addition Equations



Addition and Subtraction Equations (up to 10)

Stage 2

CENTER
Addition and
Subtraction
Equation Cards
(p. 8 of 8)

$$3 + 4 = \underline{\quad}$$

Addition Equations

$$7 + 3 = \underline{\quad}$$

Addition Equations

$$4 + 4 = \underline{\quad}$$

Addition Equations

$$4 + 5 = \underline{\quad}$$

Addition Equations

$$5 + 5 = \underline{\quad}$$

Addition Equations

$$5 + 4 = \underline{\quad}$$

Addition Equations

$$4 + 6 = \underline{\quad}$$

Addition Equations

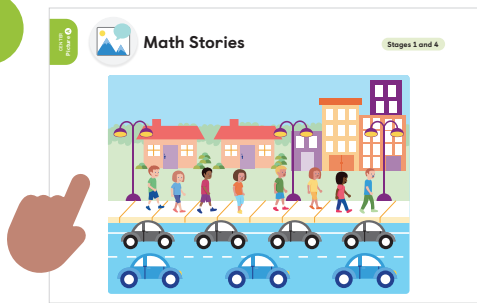
$$6 + 4 = \underline{\quad}$$

Addition Equations



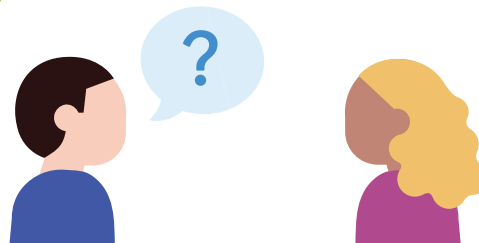
Math Stories

1



Choose a picture.

2



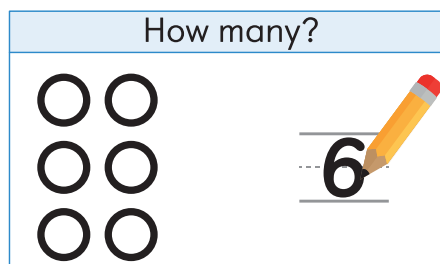
Partner A: Ask a *how many?* question about the picture.

3



Partner B: Answer the question. Check to see if your partner agrees.

4



Record how many by drawing a group and writing a number.

Let's ask and answer *how many?* questions.

Pairs

You'll need . . .



Math Stories Pictures,
Stages 1 and 4



Recording
Sheet

Name _____ Date _____



Math Stories

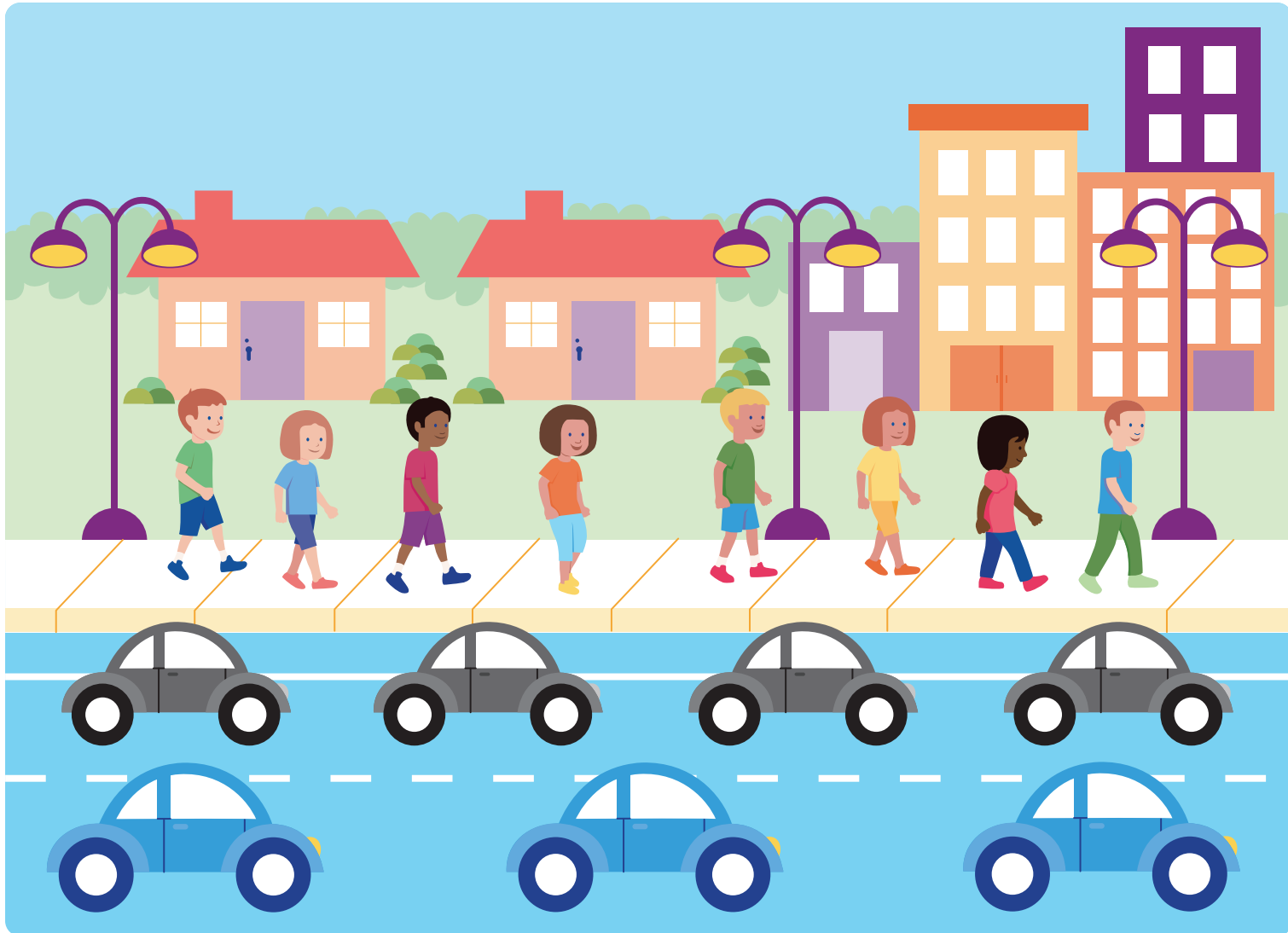
Stage 1

How many?	
	_____ ----- _____
	_____ ----- _____
	_____ ----- _____
	_____ ----- _____
	_____ ----- _____



Math Stories

Stages 1 and 4





Math Stories

Stages 1 and 4





Math Stories

Stages 1 and 4





Math Stories

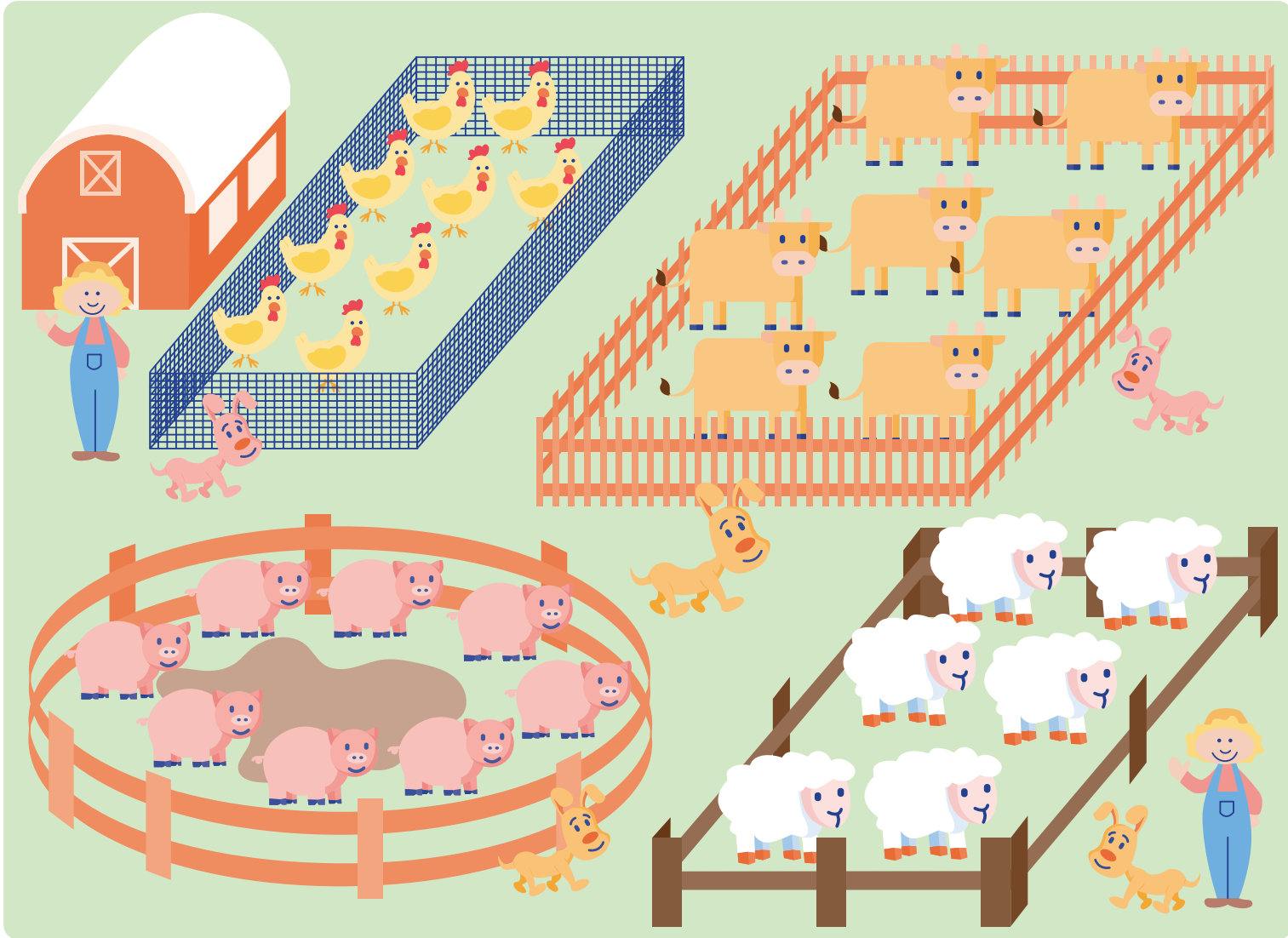
Stages 1 and 4





Math Stories

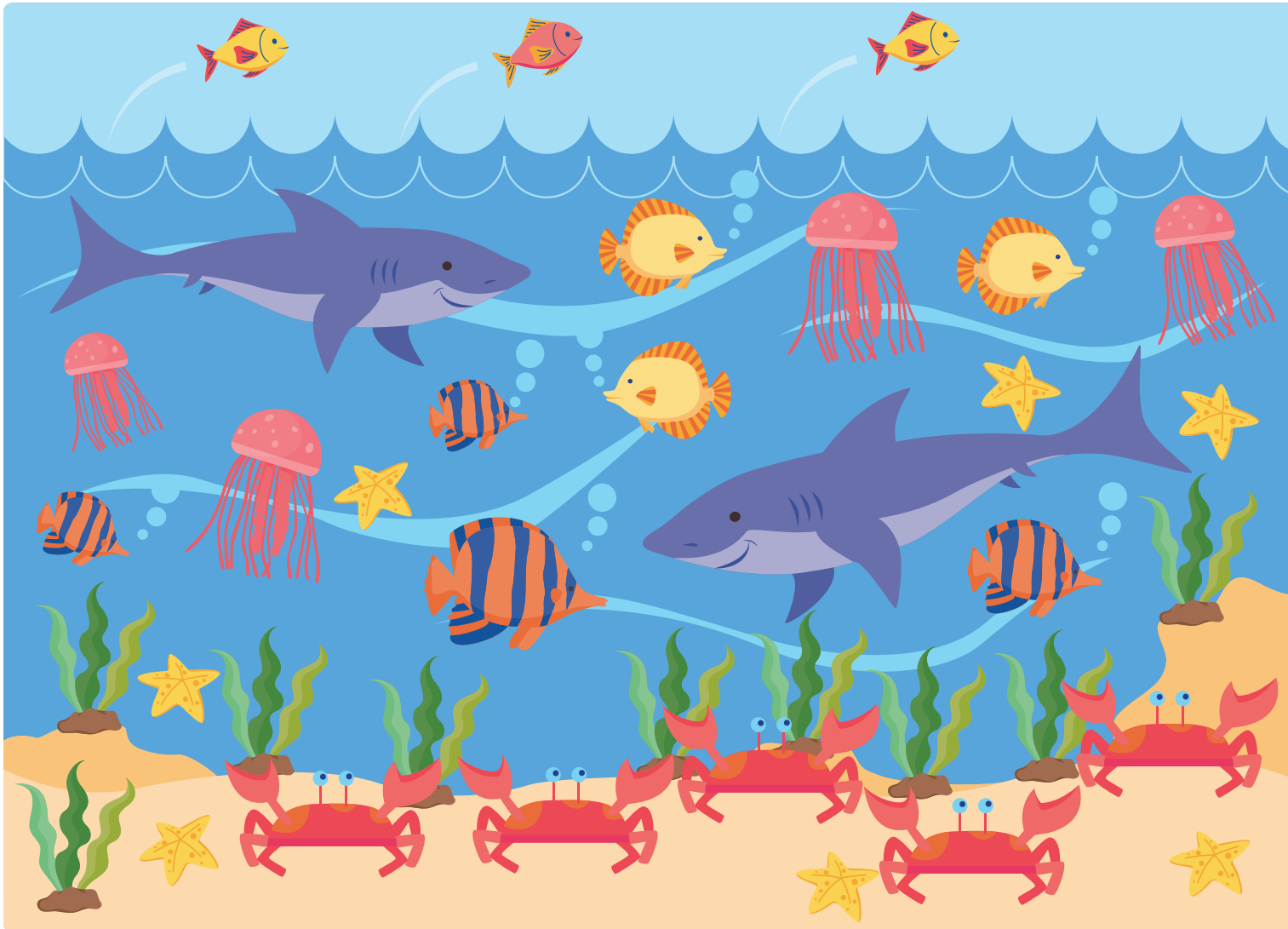
Stages 1 and 4





Math Stories

Stages 1 and 4





Math Stories

Stages 1 and 4





Math Stories

Stages 1 and 4

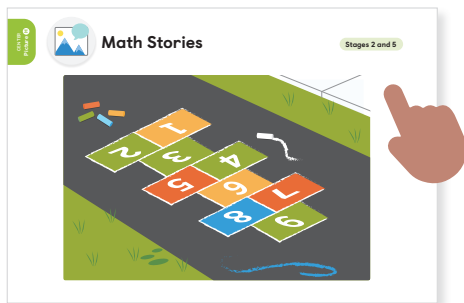




Math Stories

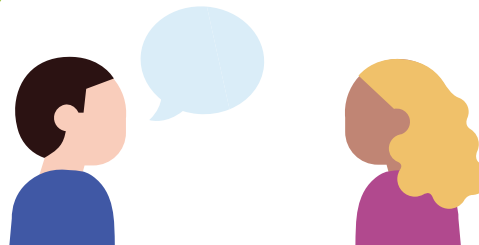
Stage 2

1



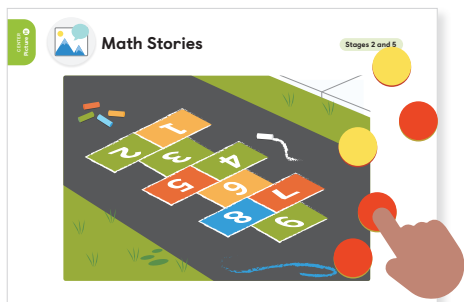
Choose a picture.

2



Partner A: Tell a story that includes a question.

3



Partner B: Use counters to act out the story and answer the question.

4



Take turns asking and answering.

Let's tell, act out, and answer questions.

Pairs

You'll need . . .



counters or connecting cubes

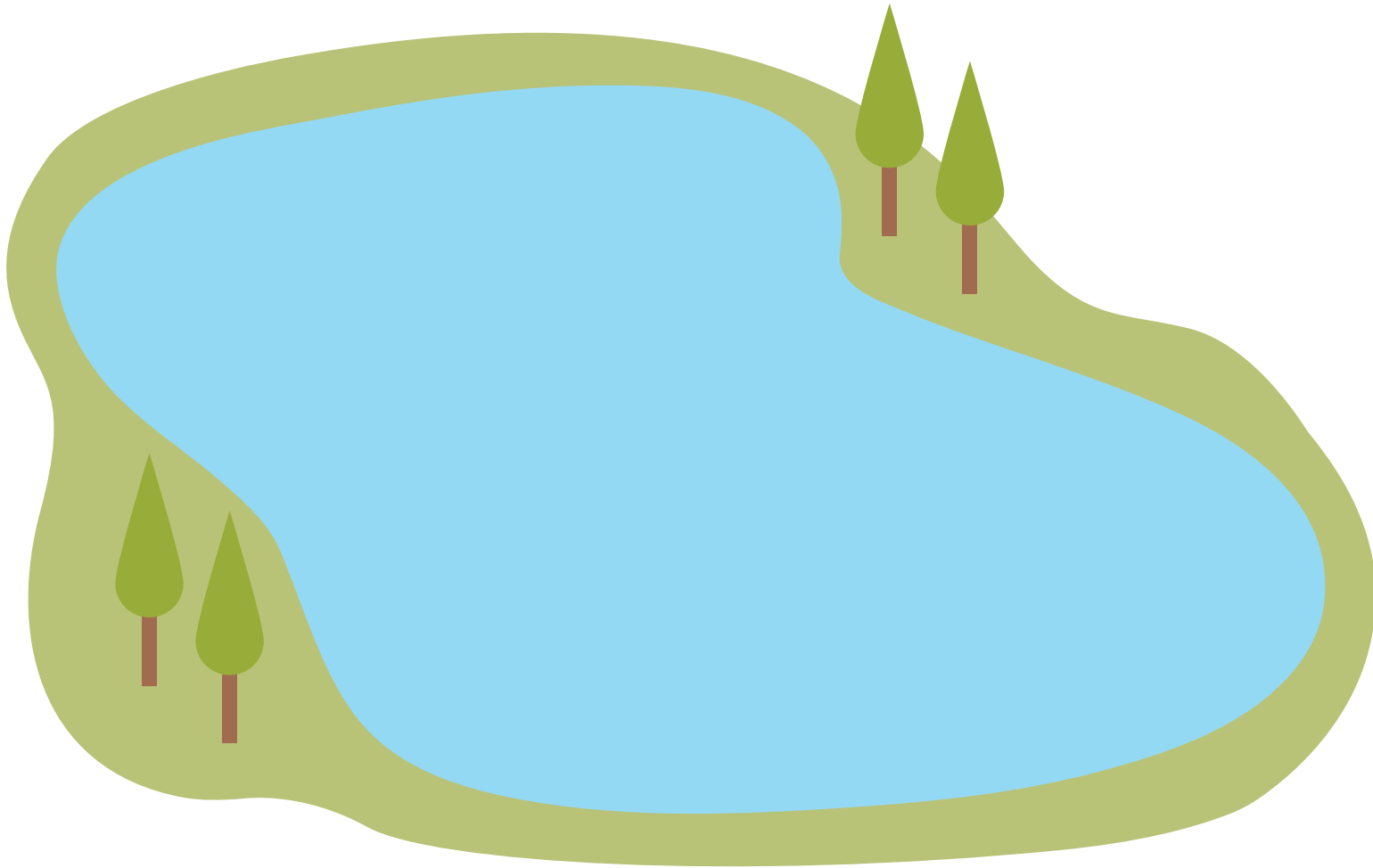


Math Stories Pictures, Stages 2 and 5



Math Stories

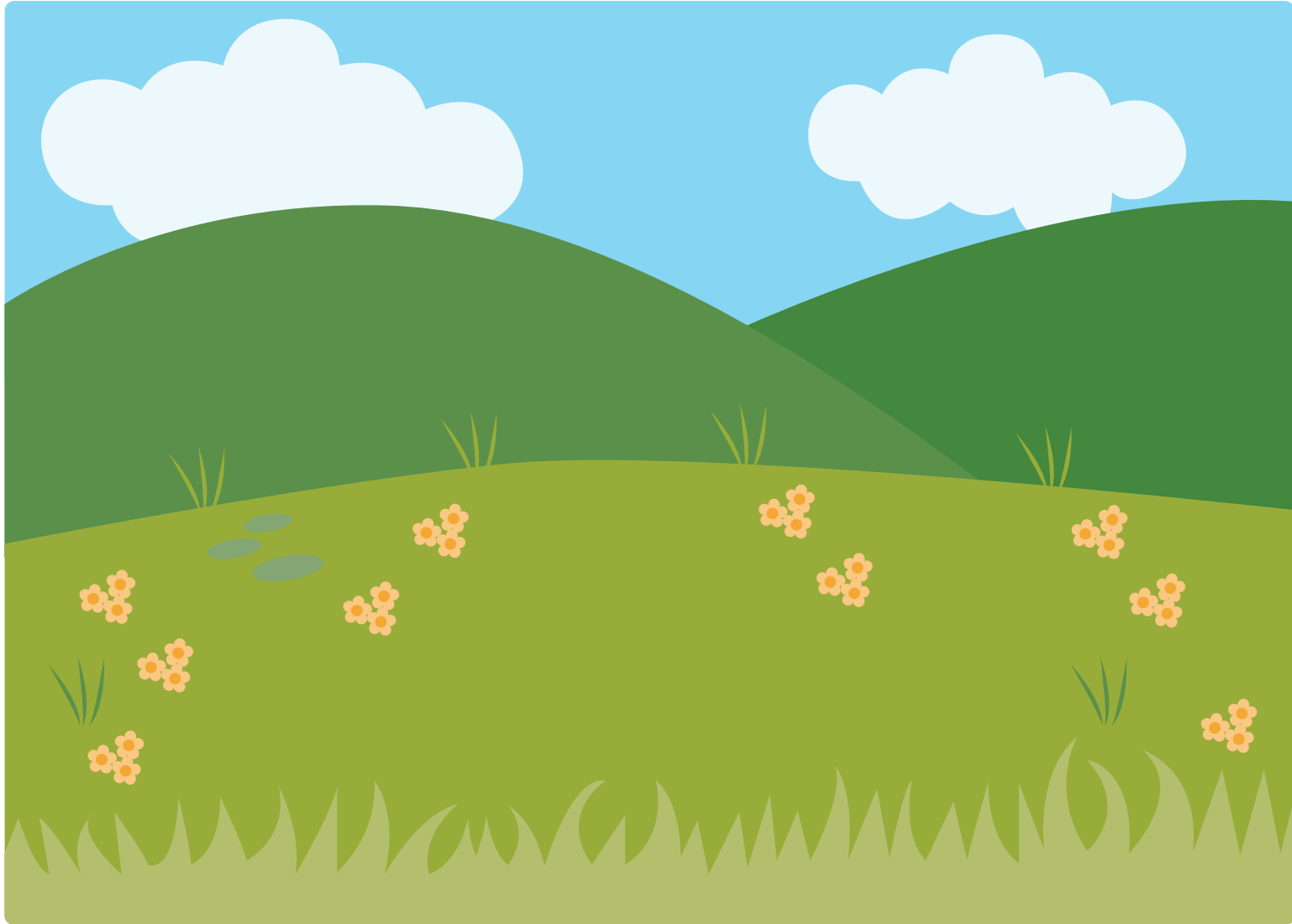
Stages 2 and 5





Math Stories

Stages 2 and 5





Math Stories

Stages 2 and 5





Math Stories

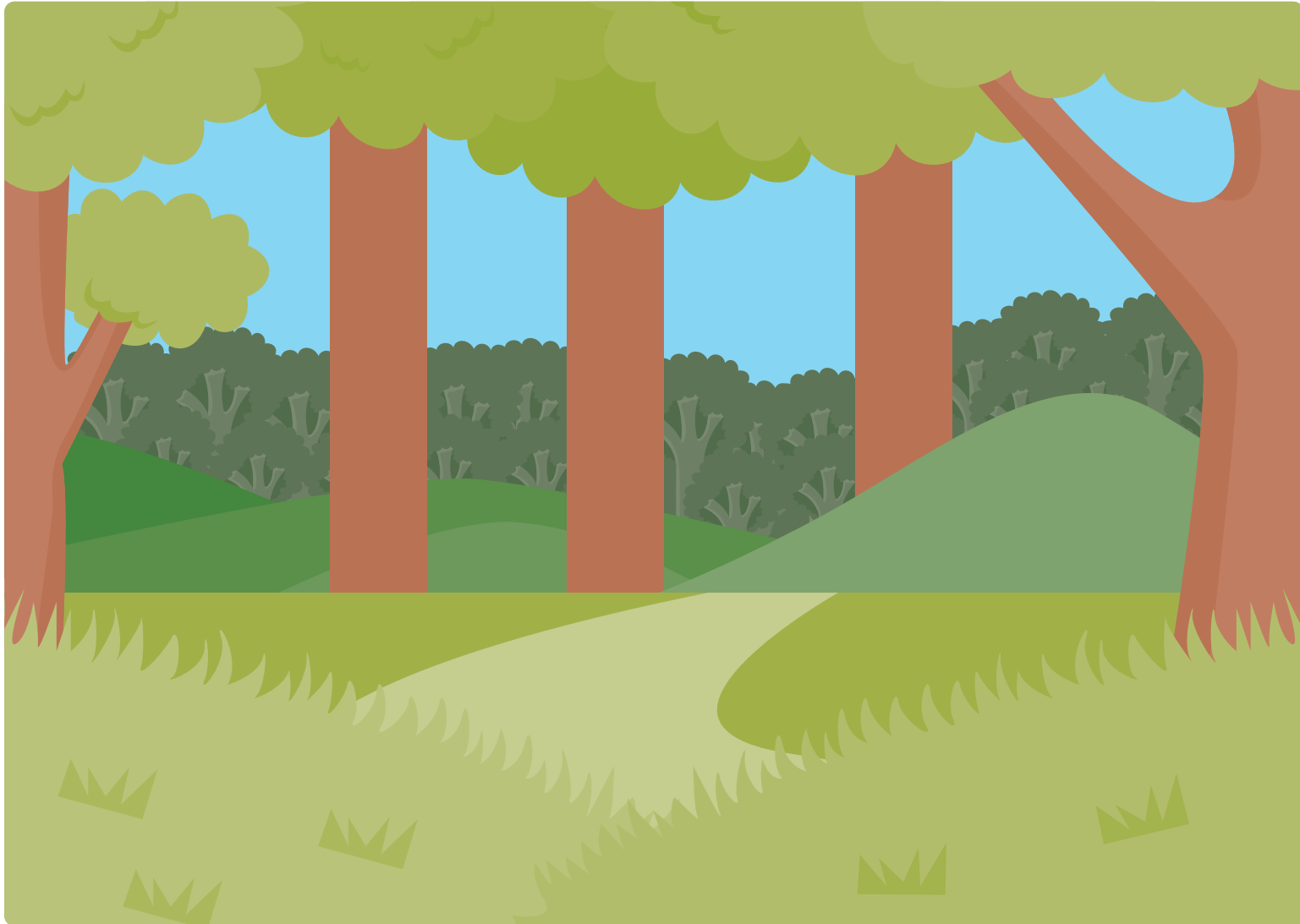
Stages 2 and 5





Math Stories

Stages 2 and 5





Math Stories

Stages 2 and 5





Math Stories

Stages 2 and 5





Math Stories

Stages 2 and 5

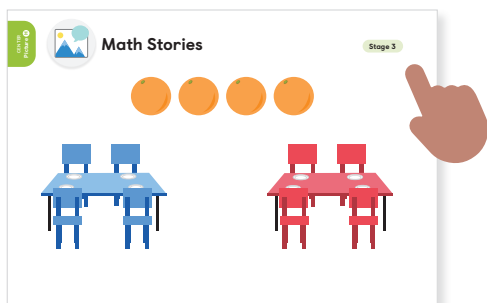




Math Stories

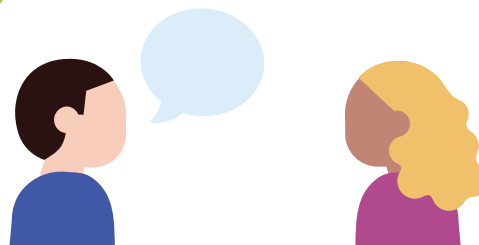
Stage 3

1



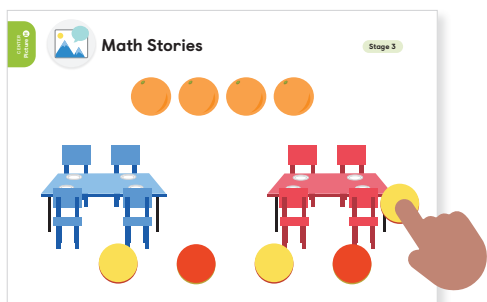
Choose a picture.

2



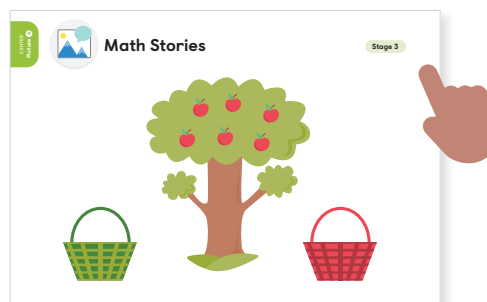
Partner A: Tell a story that includes a question.

3



Partner B: Use counters or cubes to act out the story and answer the question.

4

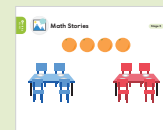


Show your thinking on the Recording Sheet using drawings, numbers, or words.

Let's tell and act out story problems to answer questions.

Pairs

You'll need . . .



counters or connecting cubes Math Stories Pictures, A-H Recording Sheet

Name _____ Date _____



Math Stories

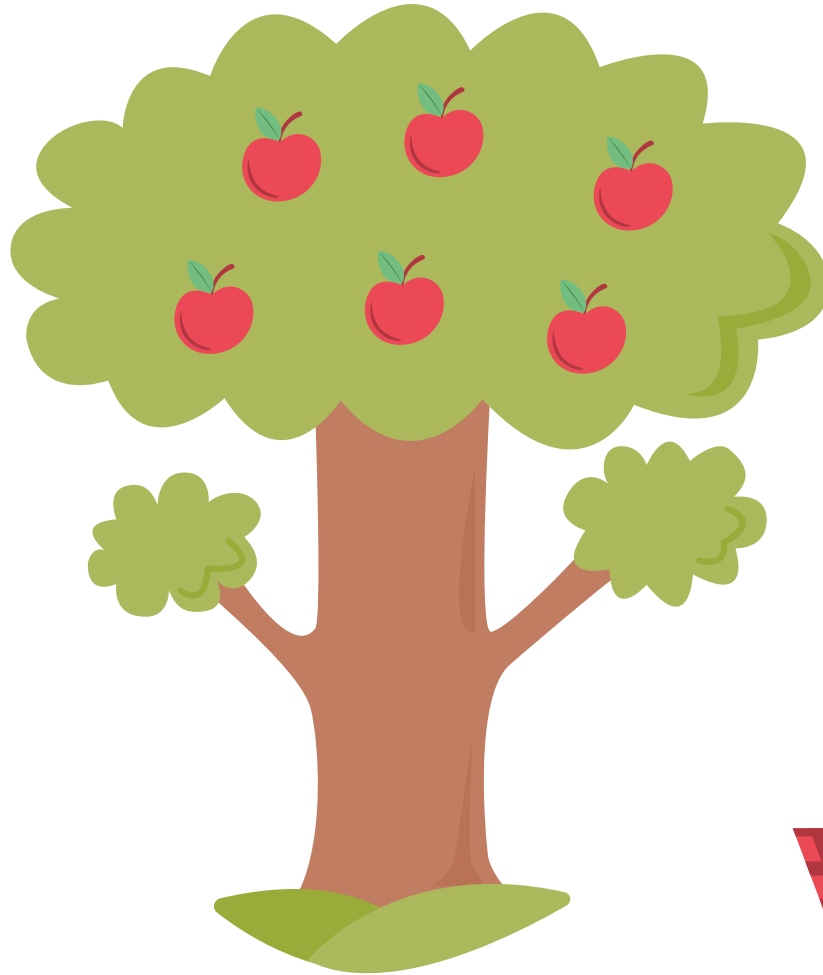
Stage 3

Picture	Answer



Math Stories

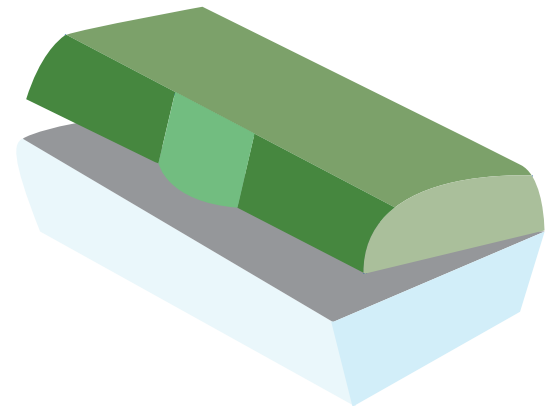
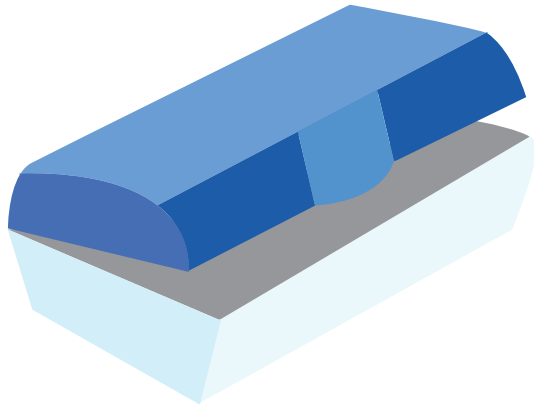
Stage 3





Math Stories

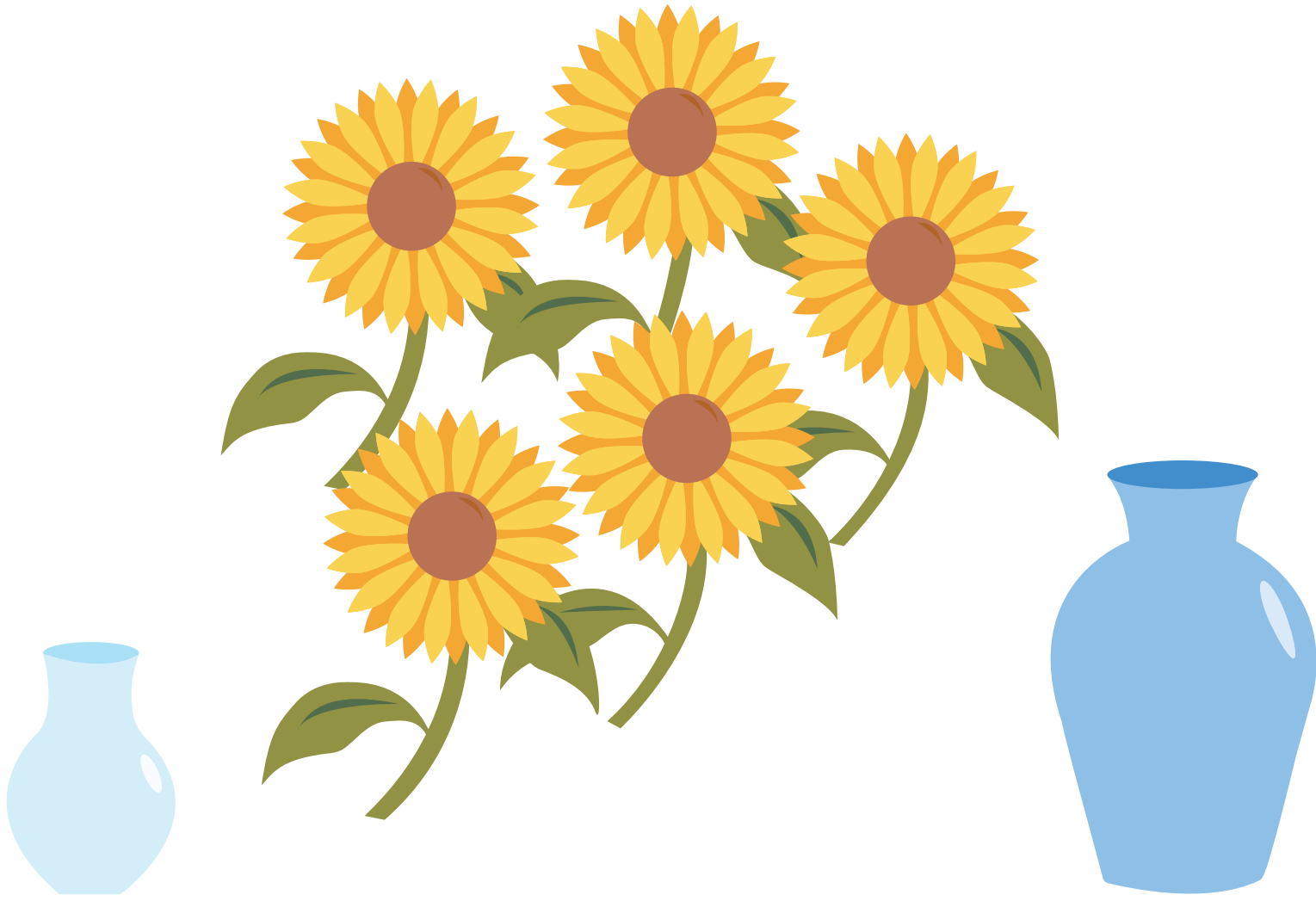
Stage 3





Math Stories

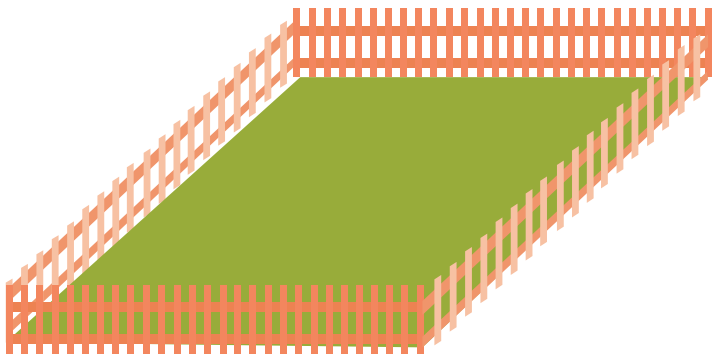
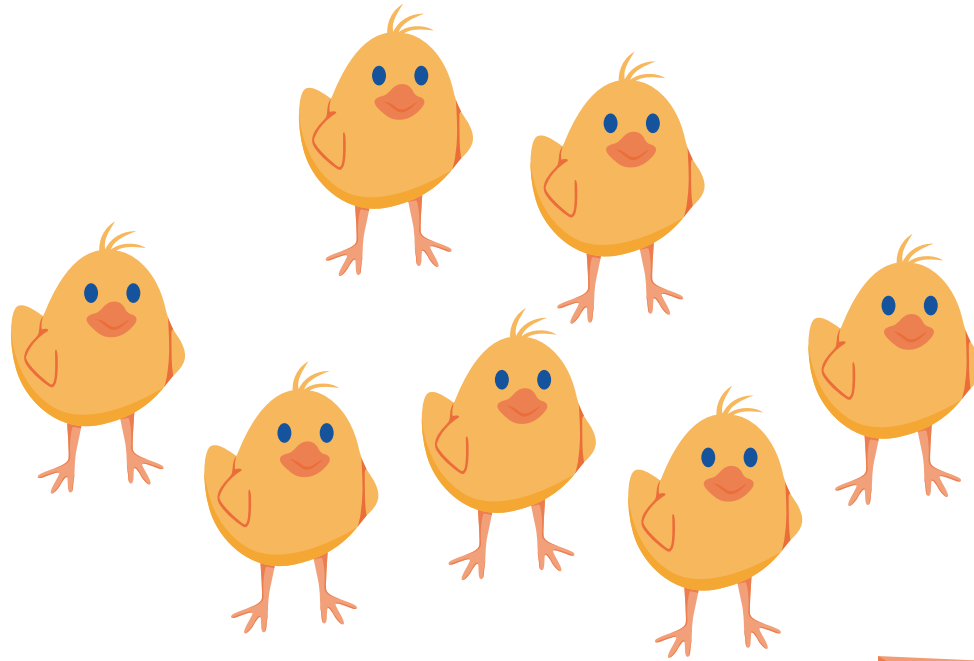
Stage 3





Math Stories

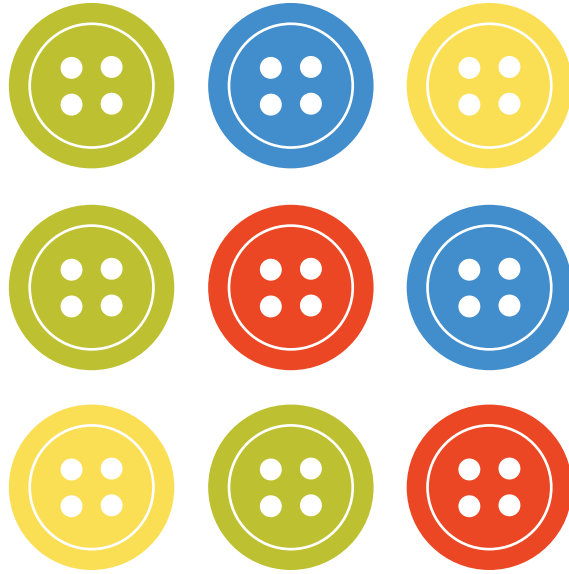
Stage 3





Math Stories

Stage 3





Math Stories

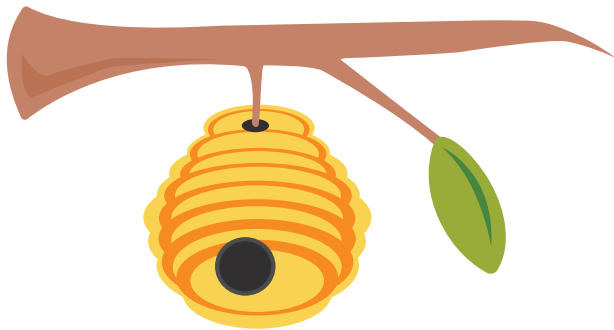
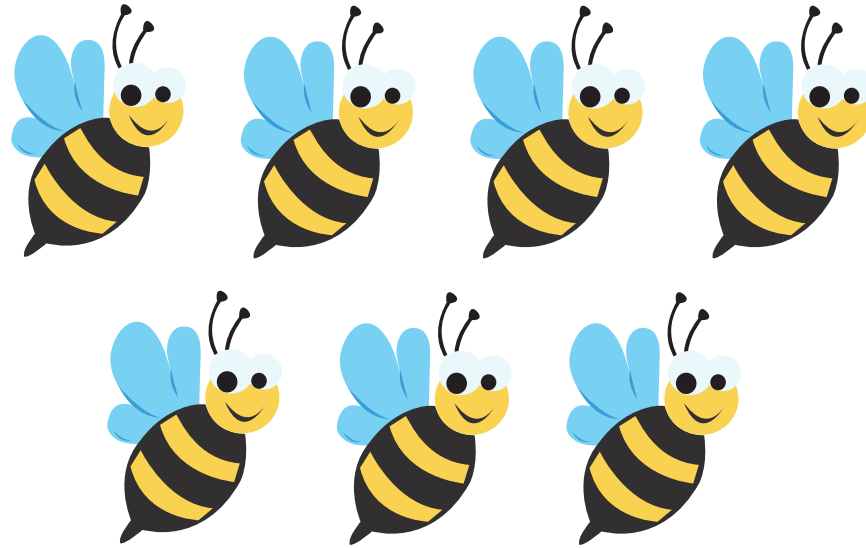
Stage 3





Math Stories

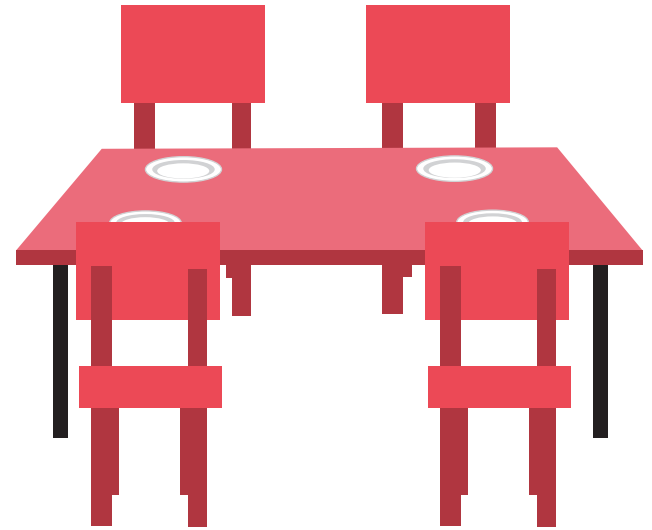
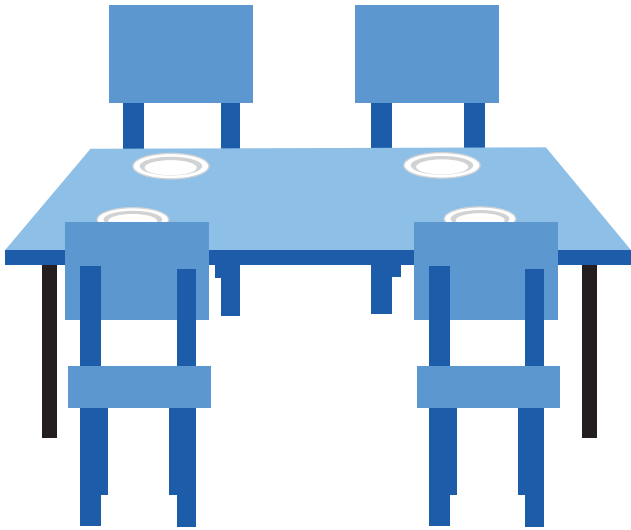
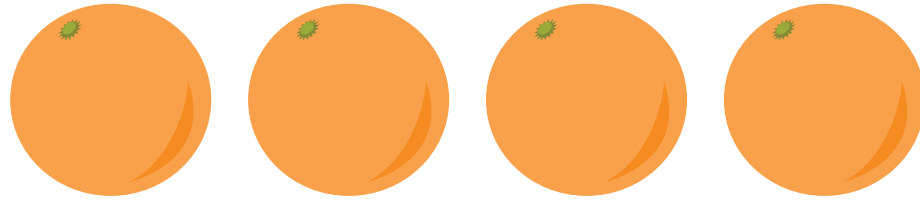
Stage 3





Math Stories

Stage 3





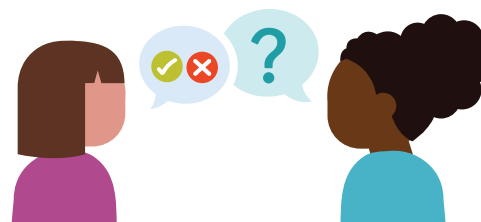
Mystery Shape

1



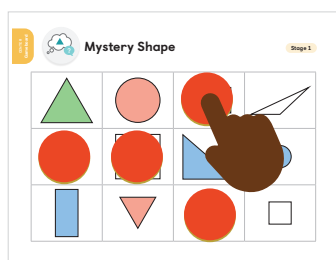
Player A: Choose a shape on the board. Don't tell which one!

2



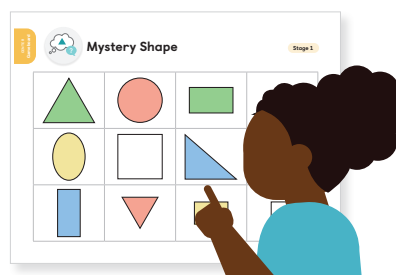
Player B: Ask your partner *yes* or *no* questions.

3



Player B: Cover up shapes that are *not* the mystery shape. Tell your partner the shape when you know it.

4



Take turns choosing a mystery shape and asking questions.

Let's find the mystery shape.

Pairs

You'll need . . .



counters

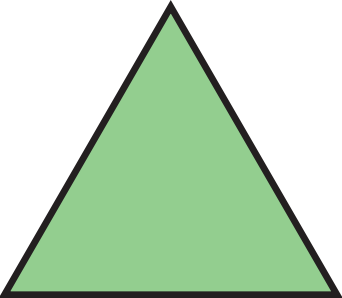
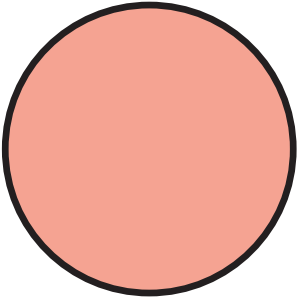

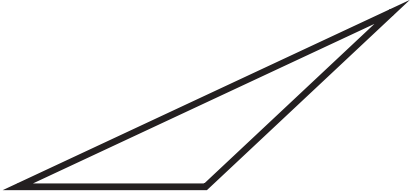
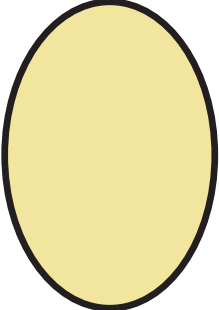
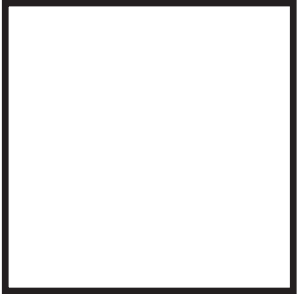
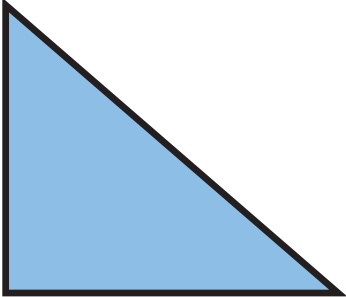
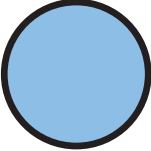
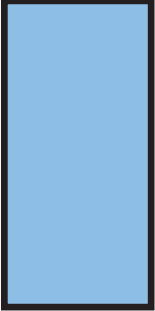
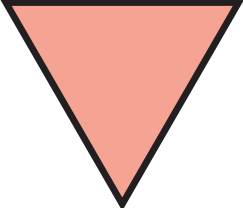
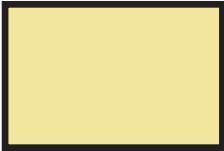
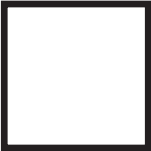


Gameboard



Mystery Shape

Stage 1

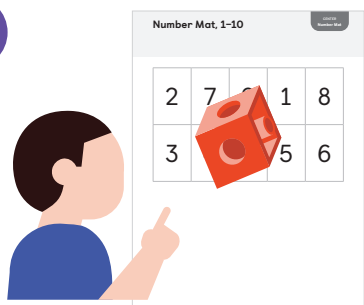
			
			
			



Number Race

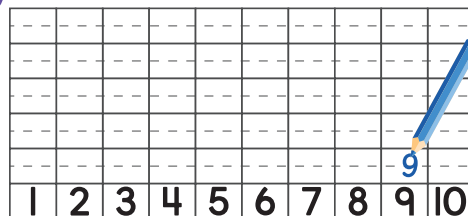
Stage 1

1



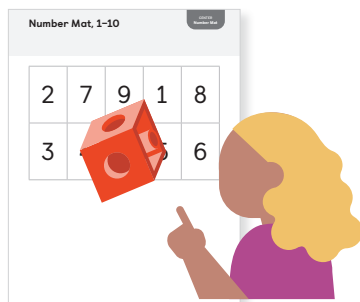
Roll a connecting cube onto the Number Mat.

2



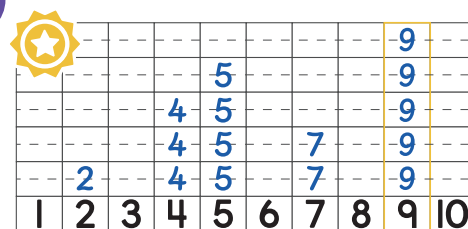
Record the number you land on in that column on your Recording Sheet.

3



Take turns.

4



The first person who fills in a number column on their Recording Sheet wins.

Let's practice writing numbers to 10.

Pairs

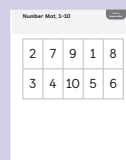
You'll need . . .



1 connecting cube



colored pencils



Number Mat, 1-10



Recording Sheet A or B



Name _____ Date _____

Number Race

Stage 1

1	2	3	4	5	6	7	8	9	10



Name _____ Date _____

Number Race

Stage 1

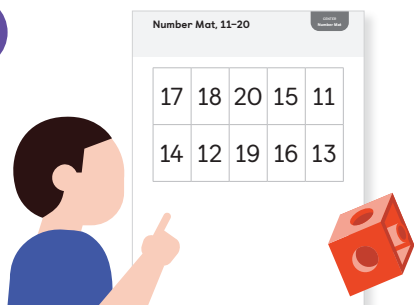
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10
1	2	3	4	5	6	7	8	9	10



Number Race

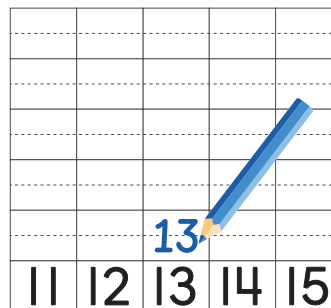
Stage 2

1



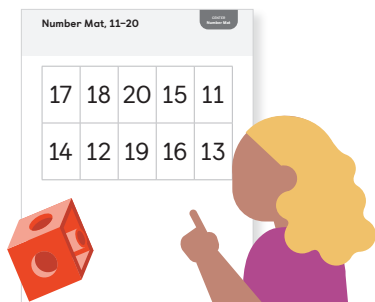
Roll a connecting cube onto the Number Mat.

2



Record the number you land on in that column on your Recording Sheet.

3



Take turns.

4



The first person who fills in a number column on their Recording Sheet wins.

Let's practice writing numbers from 11 to 20.

Pairs

You'll need . . .



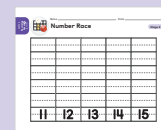
1 connecting cube



colored pencils



Number Mat, 11-20



Recording Sheet A or B



Name _____ Date _____

Number Race

Stage 2

11	12	13	14	15



Name _____ Date _____

Number Race

Stage 2

16	17	18	19	20



Name _____ Date _____

Number Race

Stage 2

11	12	13	14	15



Name _____ Date _____

Number Race

Stage 2

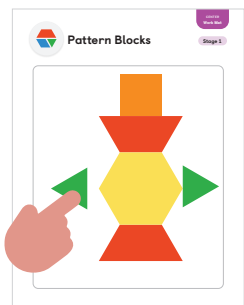
16	17	18	19	20
16	17	18	19	20
16	17	18	19	20
16	17	18	19	20
16	17	18	19	20
16	17	18	19	20
16	17	18	19	20



Pattern Blocks

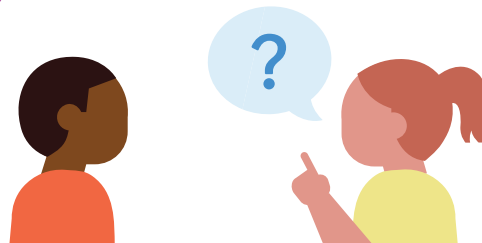
Stage 1

1



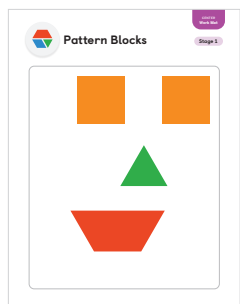
Explore the pattern blocks.

2



Ask your partner what they did with the pattern blocks.

3



Continue exploring the pattern blocks.

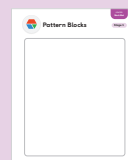
Let's explore pattern blocks.

Pairs

You'll need . . .



pattern blocks

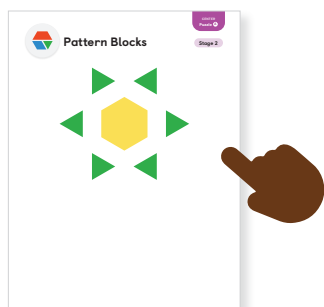


Work Mat



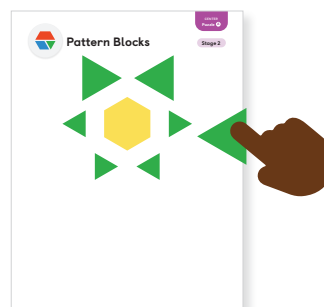
Pattern Blocks

1



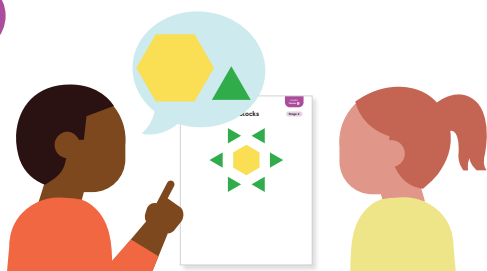
Choose a Puzzle.

2



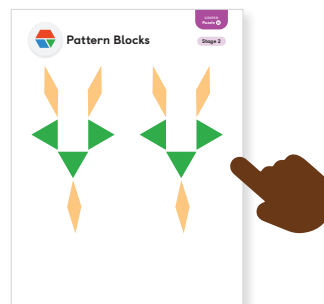
Use pattern blocks to fill in the Puzzle.

3



Show your partner your puzzle, and tell your partner which blocks you used.

4



Choose another Puzzle.

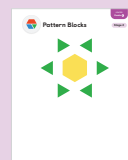
Let's fill in puzzles with pattern blocks.

Pairs

You'll need . . .



pattern blocks



Puzzles A–J



Pattern Blocks

Stage 2





Pattern Blocks

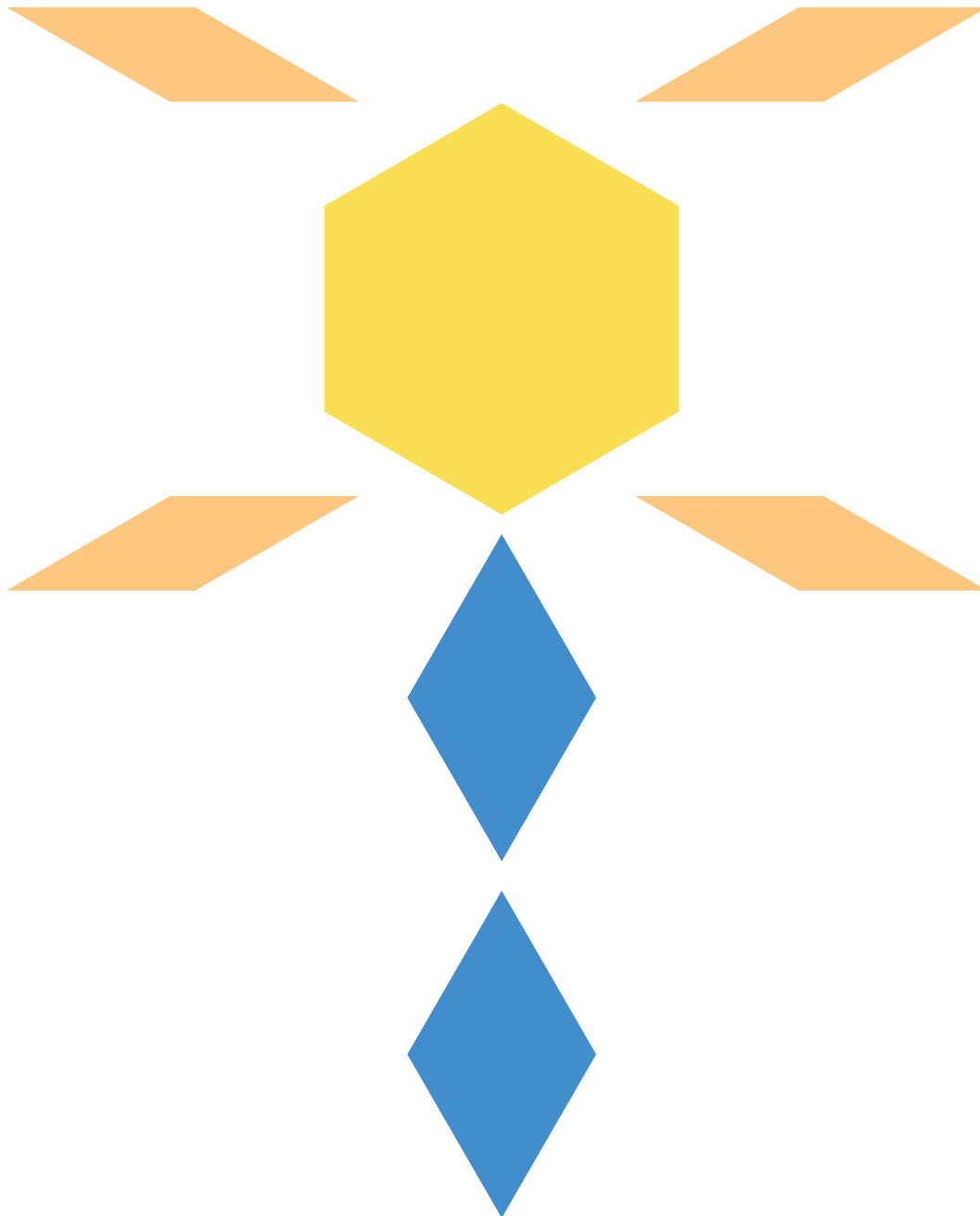
Stage 2





Pattern Blocks

Stage 2





Pattern Blocks

Stage 2





Pattern Blocks

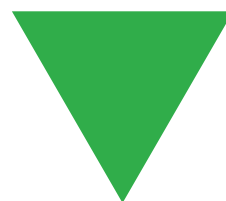
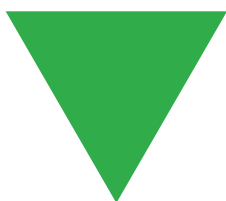
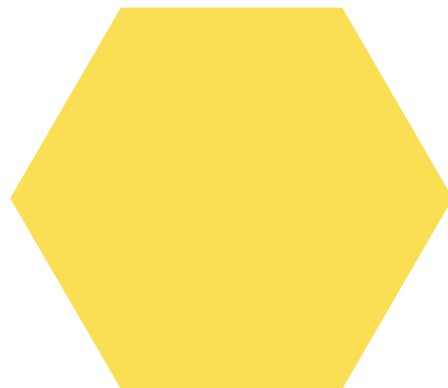
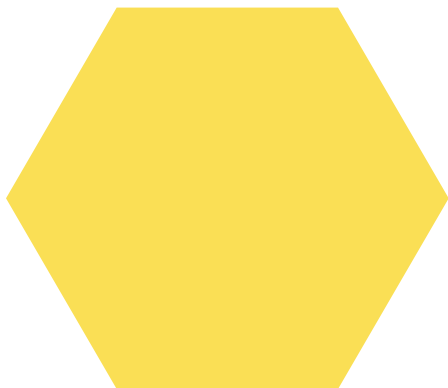
Stage 2





Pattern Blocks

Stage 2





Pattern Blocks

Stage 2





Pattern Blocks

Stage 2





Pattern Blocks

Stage 2





Pattern Blocks

Stage 2

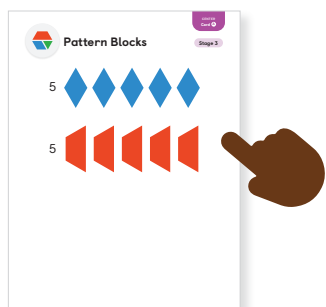




Pattern Blocks

Stage 3

1



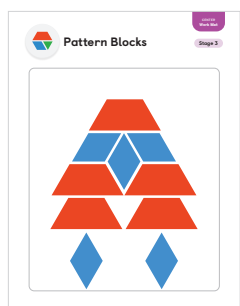
Choose a Card.

2



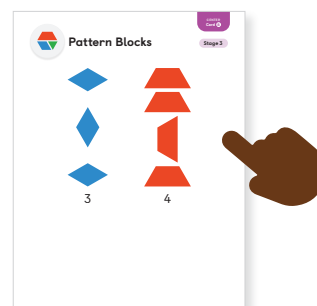
Make matching groups of each type of pattern block.

3




Use the pattern blocks to build an object on the Work Mat.

4



Choose another Card.

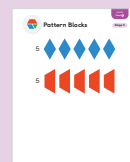
Let's use pattern blocks to build a shape.

Independent 

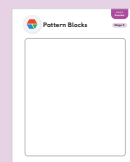
You'll need . . .



pattern blocks



Cards A–J

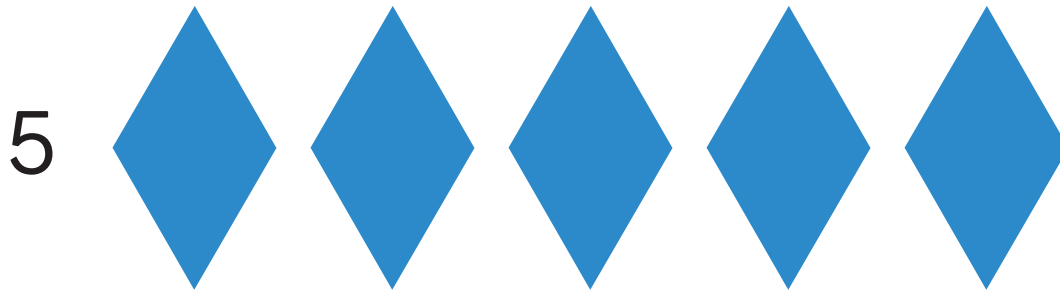


Work Mat



Pattern Blocks

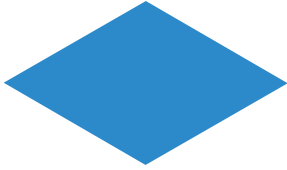
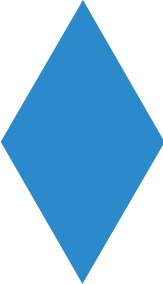
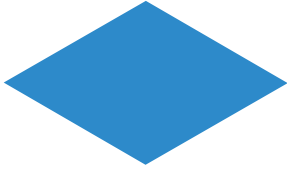
Stage 3





Pattern Blocks

Stage 3



3

4



Pattern Blocks

Stage 3

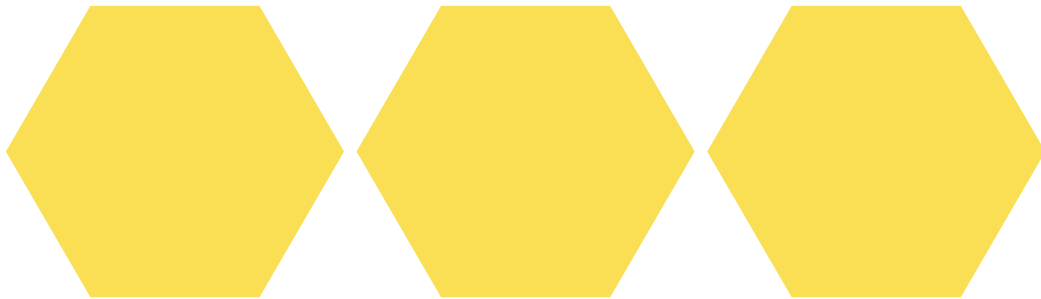




Pattern Blocks

Stage 3

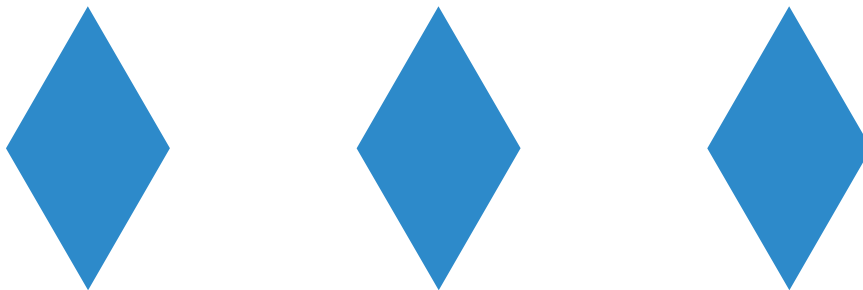
3



3



3





Pattern Blocks

Stage 3



2



2



2



3



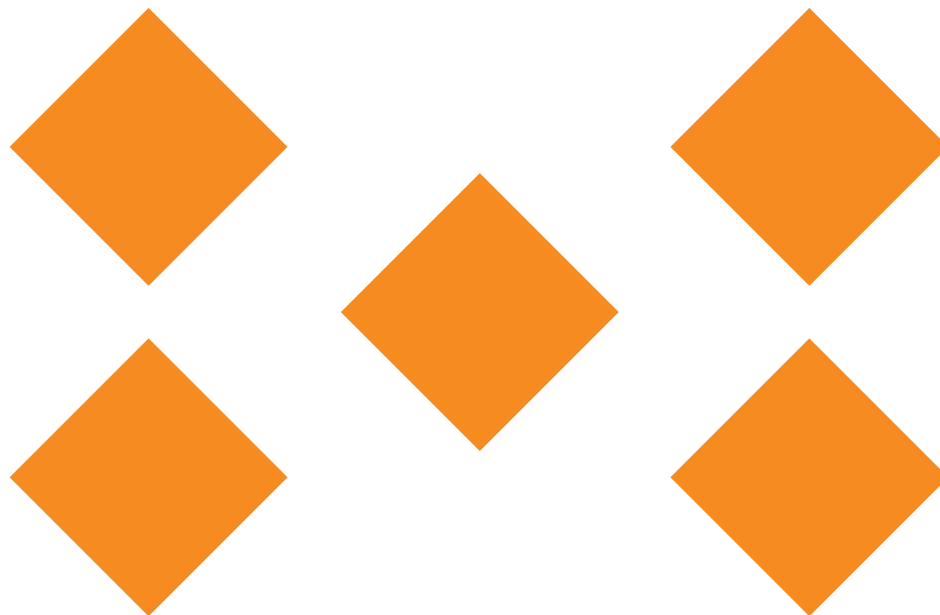
Pattern Blocks

Stage 3

3



5





Pattern Blocks

Stage 3

4



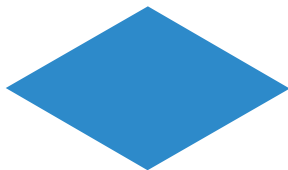
3



2



1

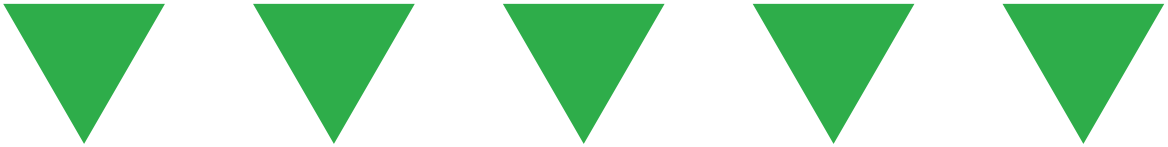




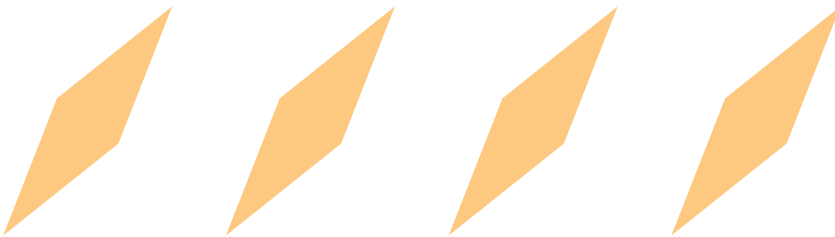
Pattern Blocks

Stage 3

5



4



2

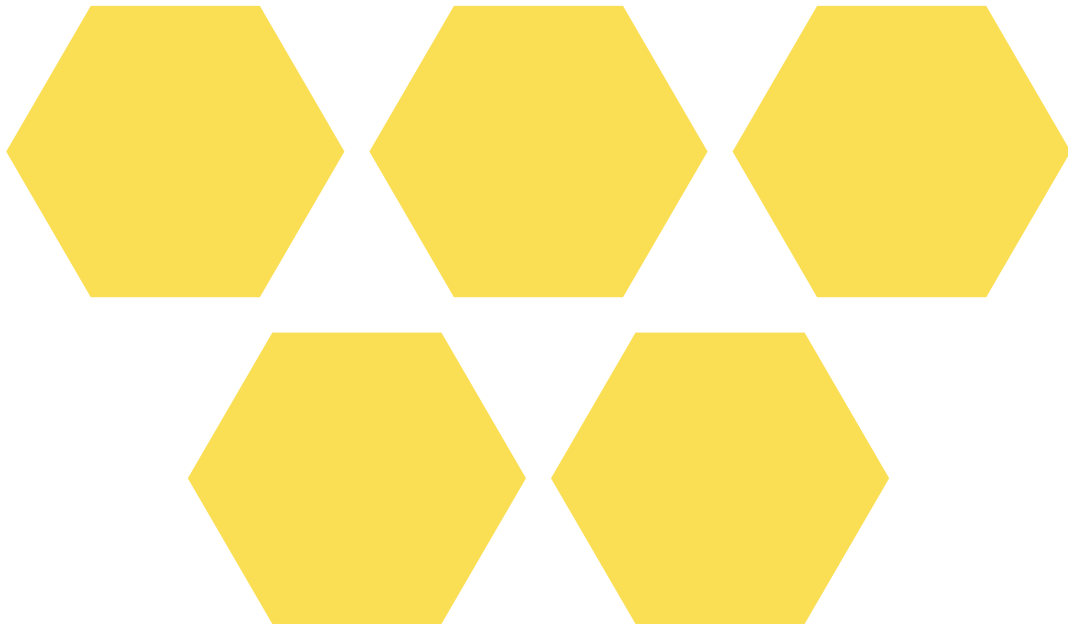




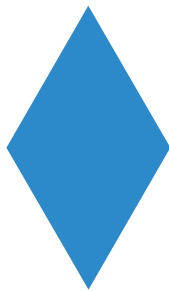
Pattern Blocks

Stage 3

5



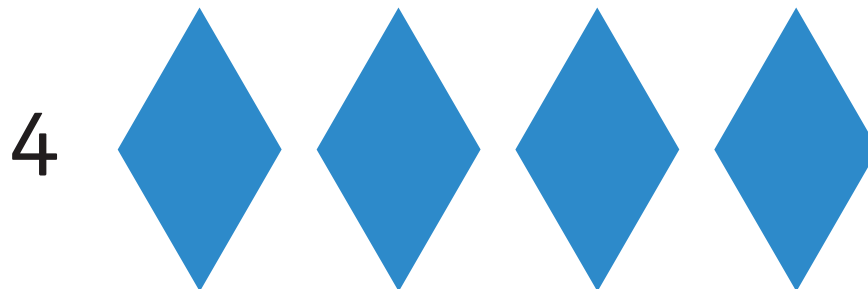
1





Pattern Blocks

Stage 3

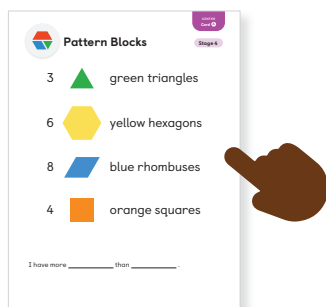




Pattern Blocks

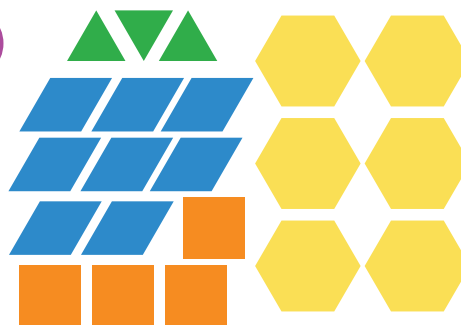
Stage 4

1



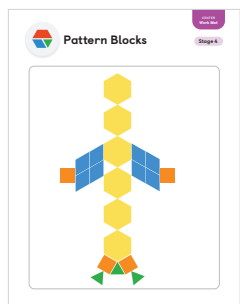
Choose a Card.

2



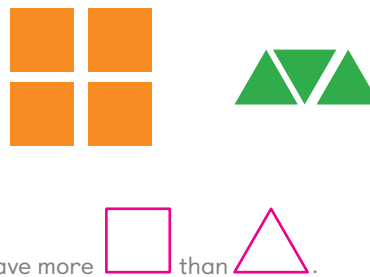
Count out the pattern blocks you need.

3



Use the pattern blocks to build an object on your Work Mat.

4



I have more than .

Show your partner what you made. Fill in the sentence with a word or drawing.

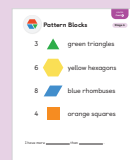
Let's count out pattern blocks and use them to build a shape.

Pairs

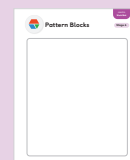
You'll need . . .



pattern blocks



Cards A-H



Work Mat



Pattern Blocks

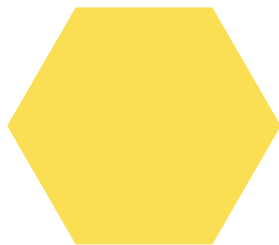
Stage 4

3



green triangles

6



yellow hexagons

8



blue rhombuses

4



orange squares

I have more _____ than _____ .



Pattern Blocks

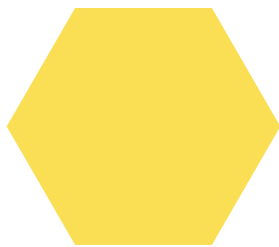
Stage 4

5



blue rhombuses

2



yellow hexagons

4



tan rhombuses

7



green triangles

I have more _____ than _____ .



Pattern Blocks

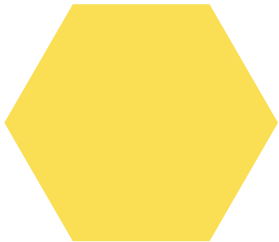
Stage 4

9



orange squares

4



yellow hexagons

5



green triangles

2



blue rhombuses

I have more _____ than _____ .



Pattern Blocks

Stage 4

6



tan rhombuses

10



blue rhombuses

4



green triangles

3



red trapezoids

I have more _____ than _____ .



Pattern Blocks

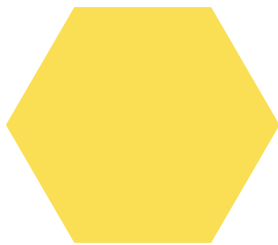
Stage 4

7



red trapezoids

3



yellow hexagons

5



orange squares

2



tan rhombuses

I have more _____ than _____ .



Pattern Blocks

Stage 4

1  yellow hexagon

8  green triangles

5  blue rhombuses

4  orange squares

I have more _____ than _____ .



Pattern Blocks

Stage 4

6



tan rhombuses

5



red trapezoids

7



green triangles

3



orange squares

I have more _____ than _____ .



Pattern Blocks

Stage 4

10



orange squares

5



blue rhombuses

8



green triangles

2



yellow hexagons

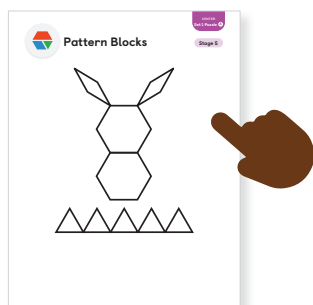
I have more _____ than _____ .



Pattern Blocks

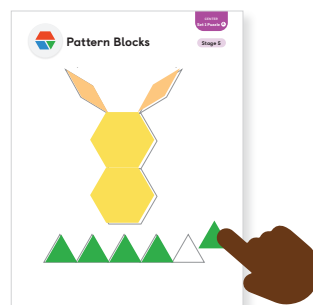
Stage 5

1



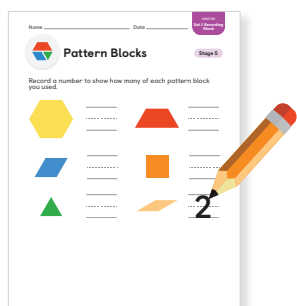
Choose a Puzzle.

2



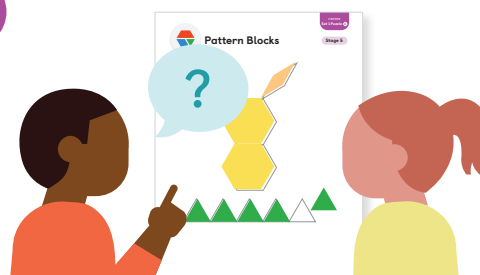
Use pattern blocks to fill in the Puzzle.

3



Record a number to show how many of each pattern block.

4



Show your partner your puzzle, and ask a question using *fewer*.

Let's put together pattern blocks.

Pairs

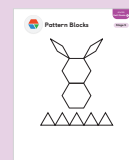
You'll need . . .



pattern blocks



Recording Sheet



Puzzles, Set 1 or 2

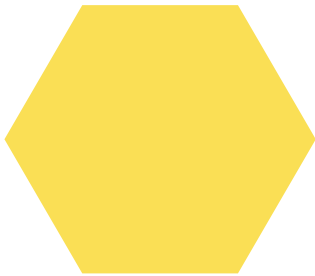
Name _____ Date _____



Pattern Blocks

Stage 5

Record a number to show how many of each pattern block you used.









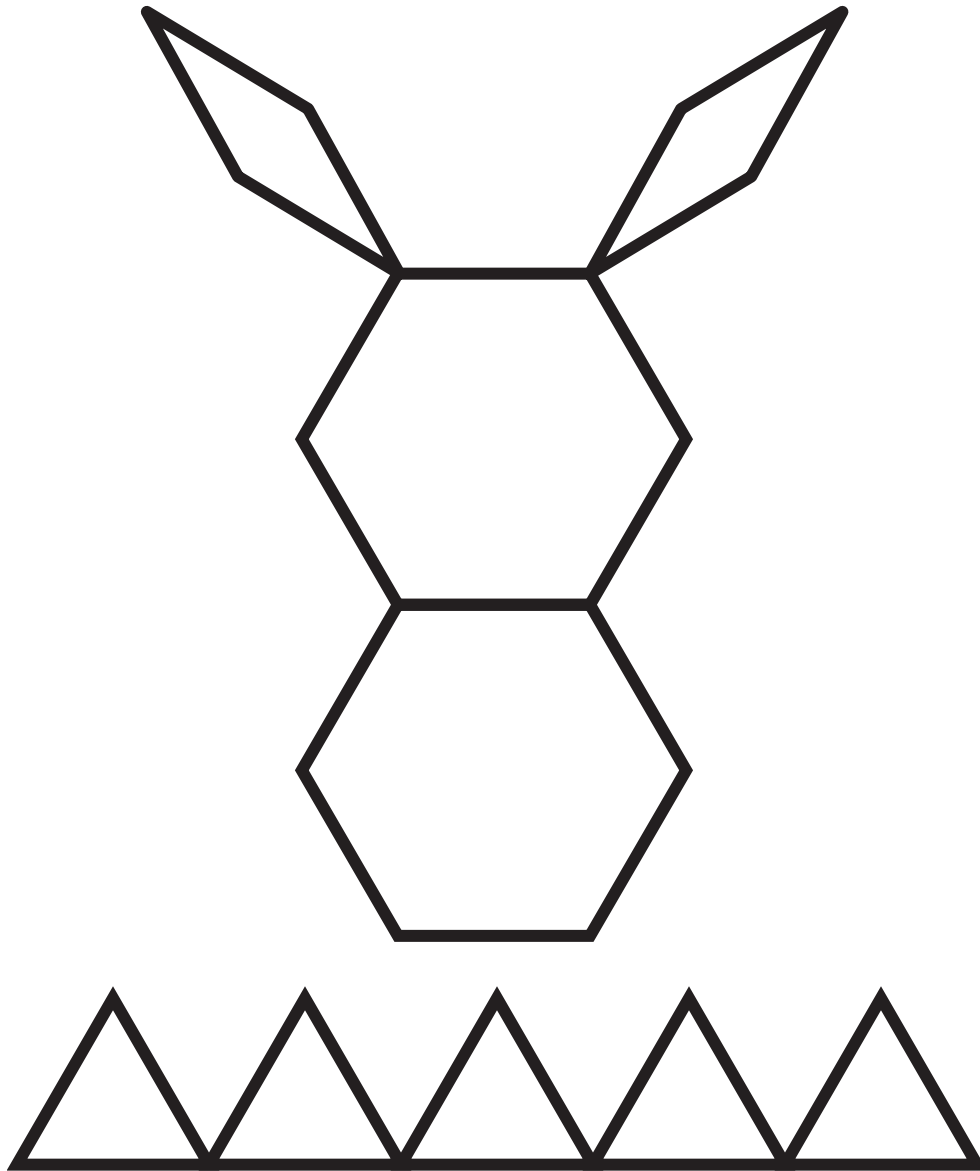






Pattern Blocks

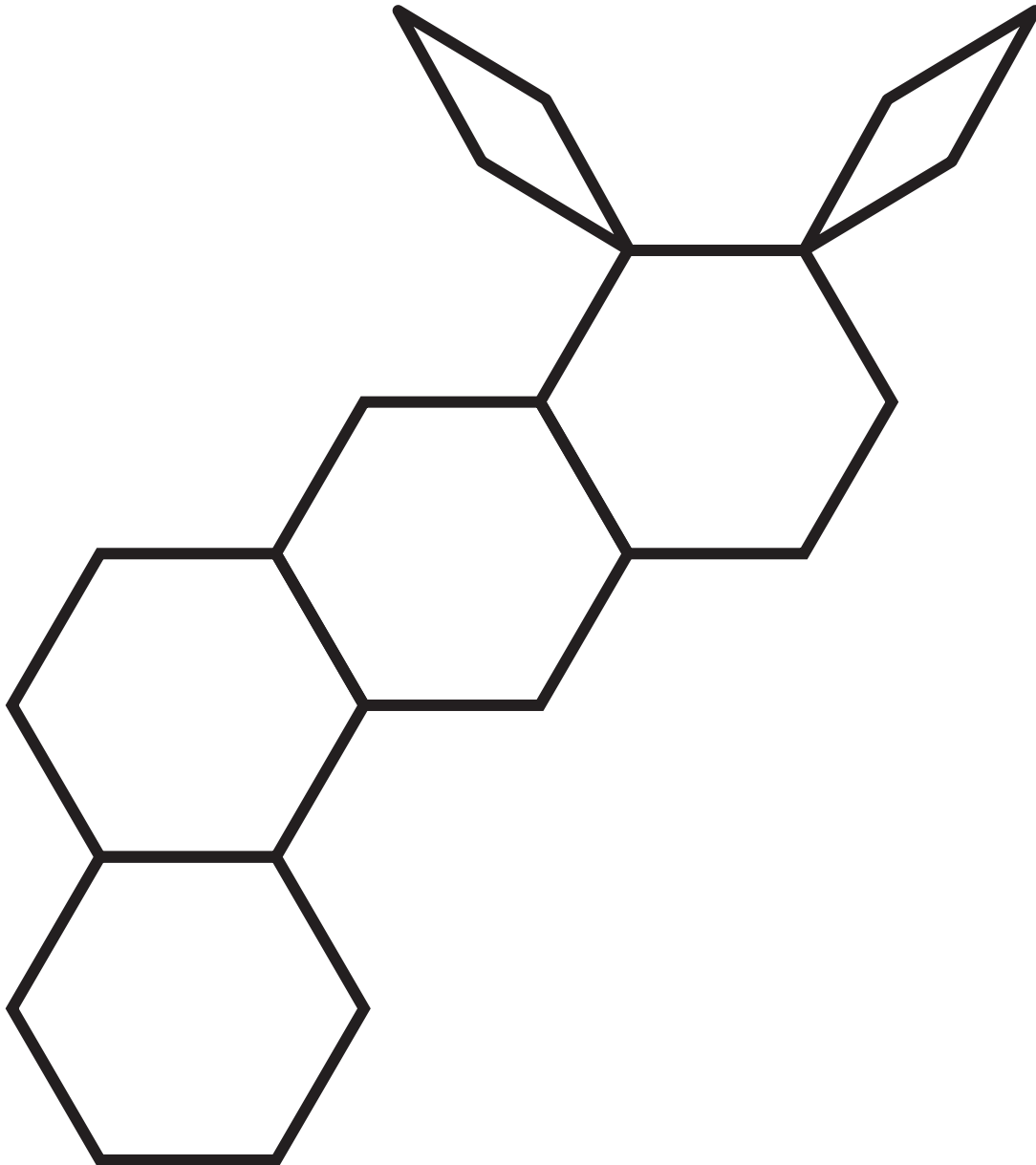
Stage 5





Pattern Blocks

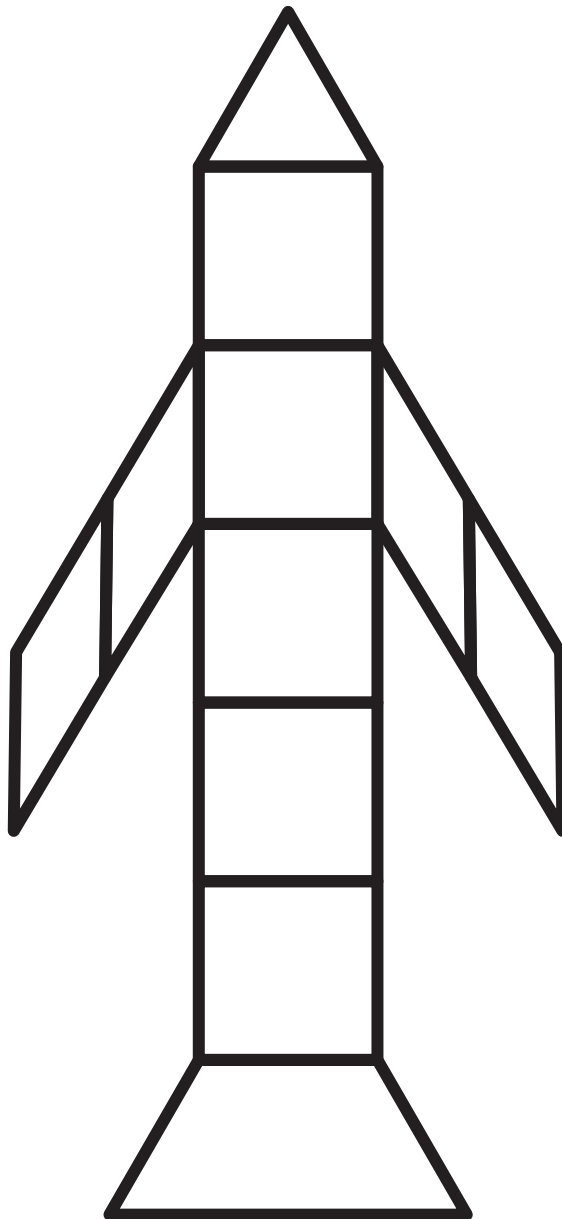
Stage 5





Pattern Blocks

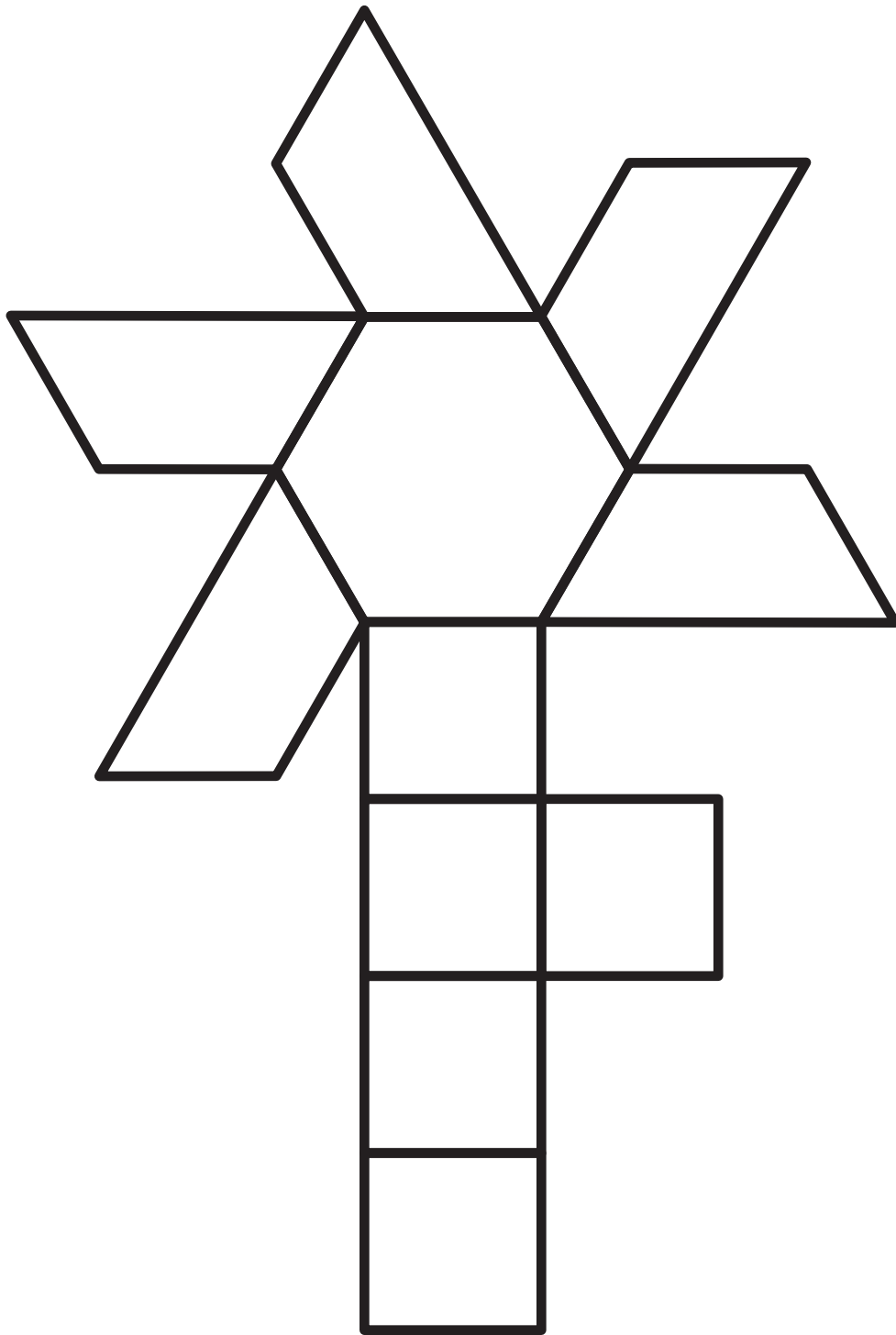
Stage 5





Pattern Blocks

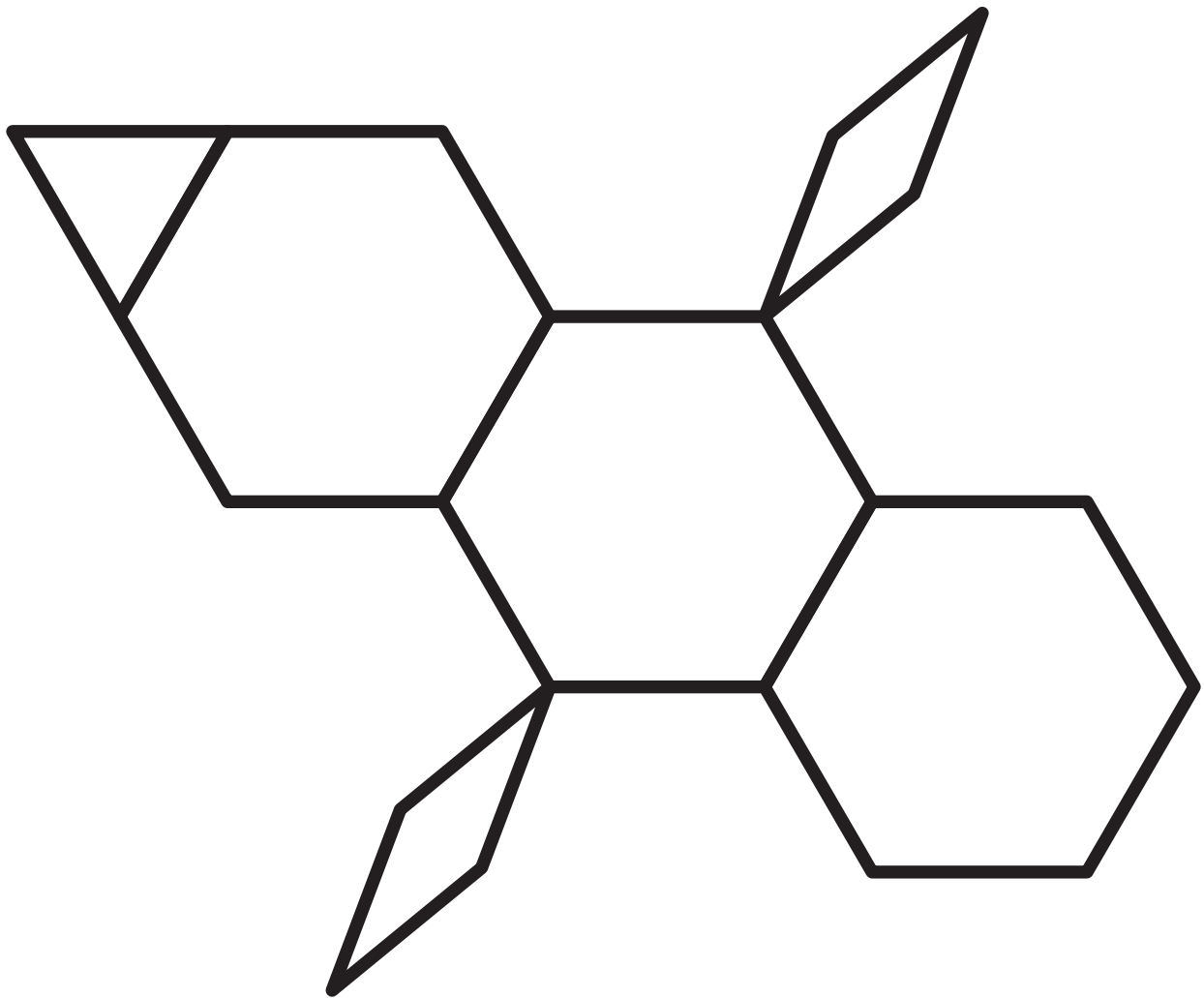
Stage 5





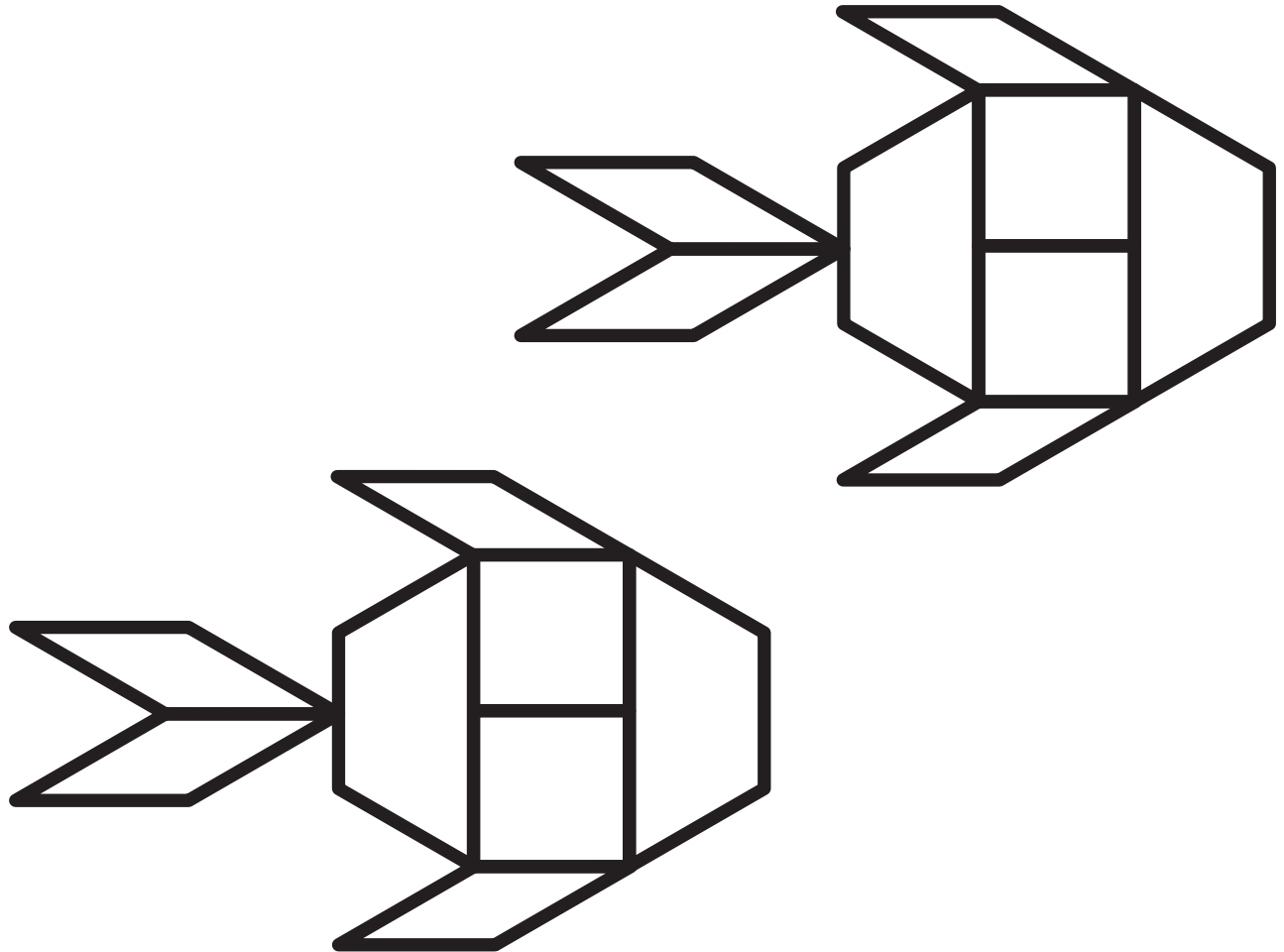
Pattern Blocks

Stage 5





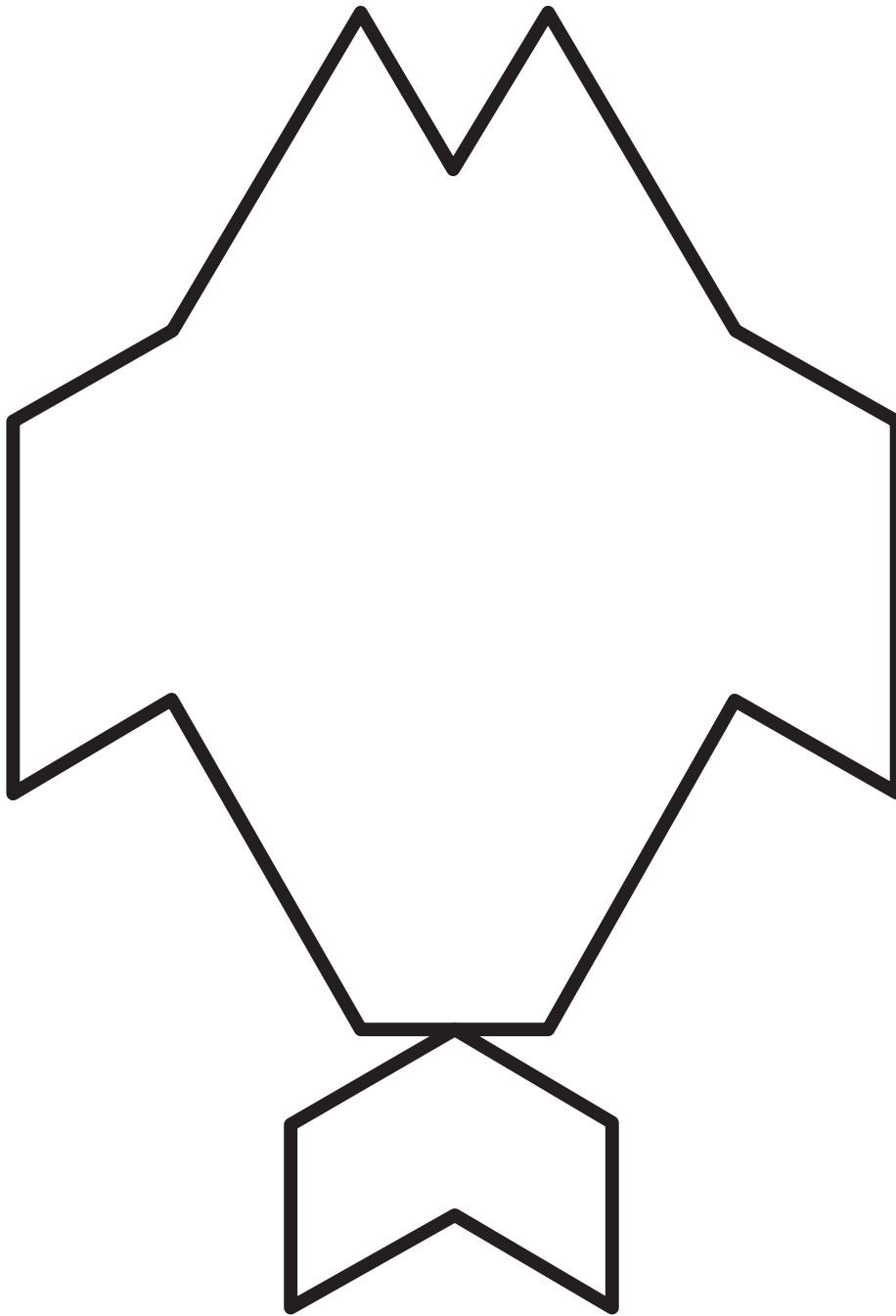
Pattern Blocks





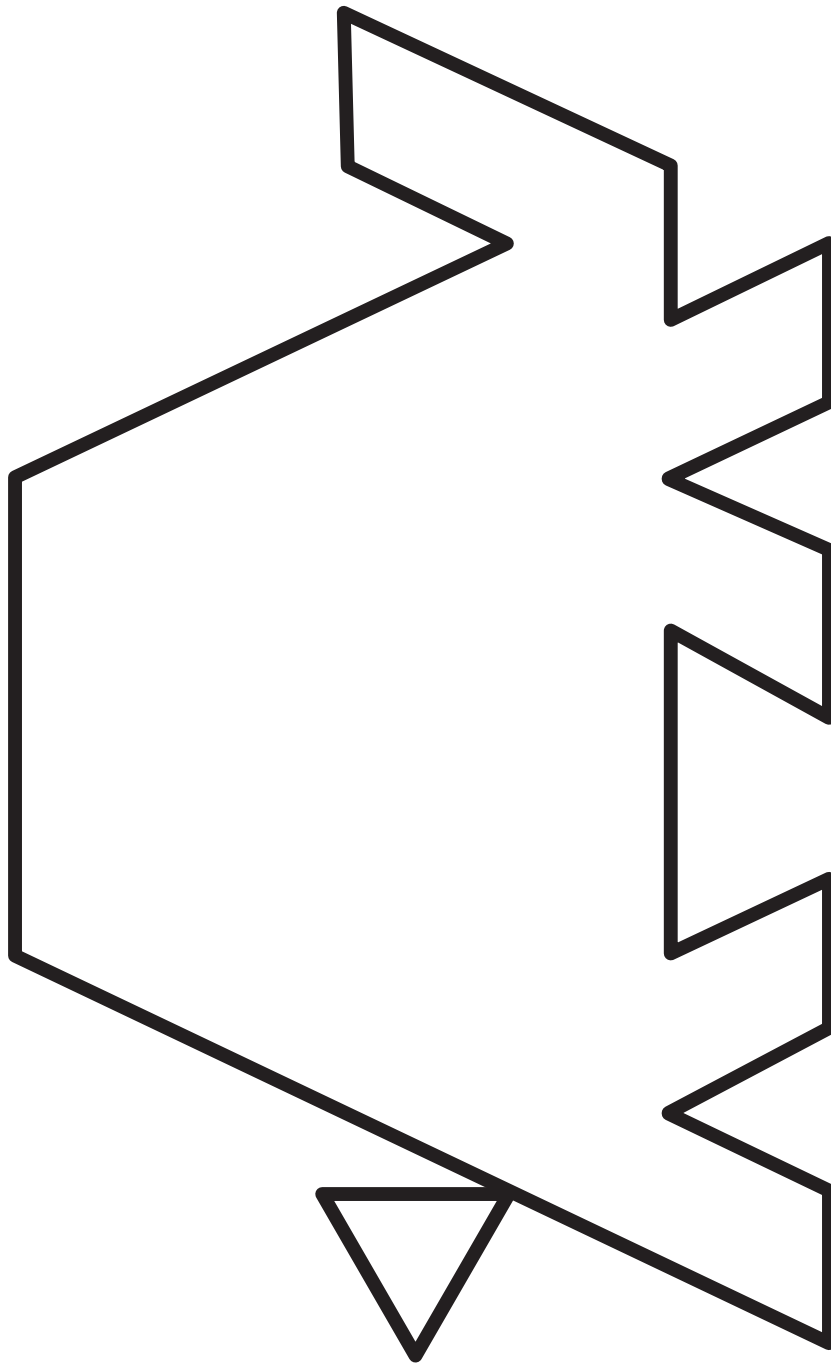
Pattern Blocks

Stage 5





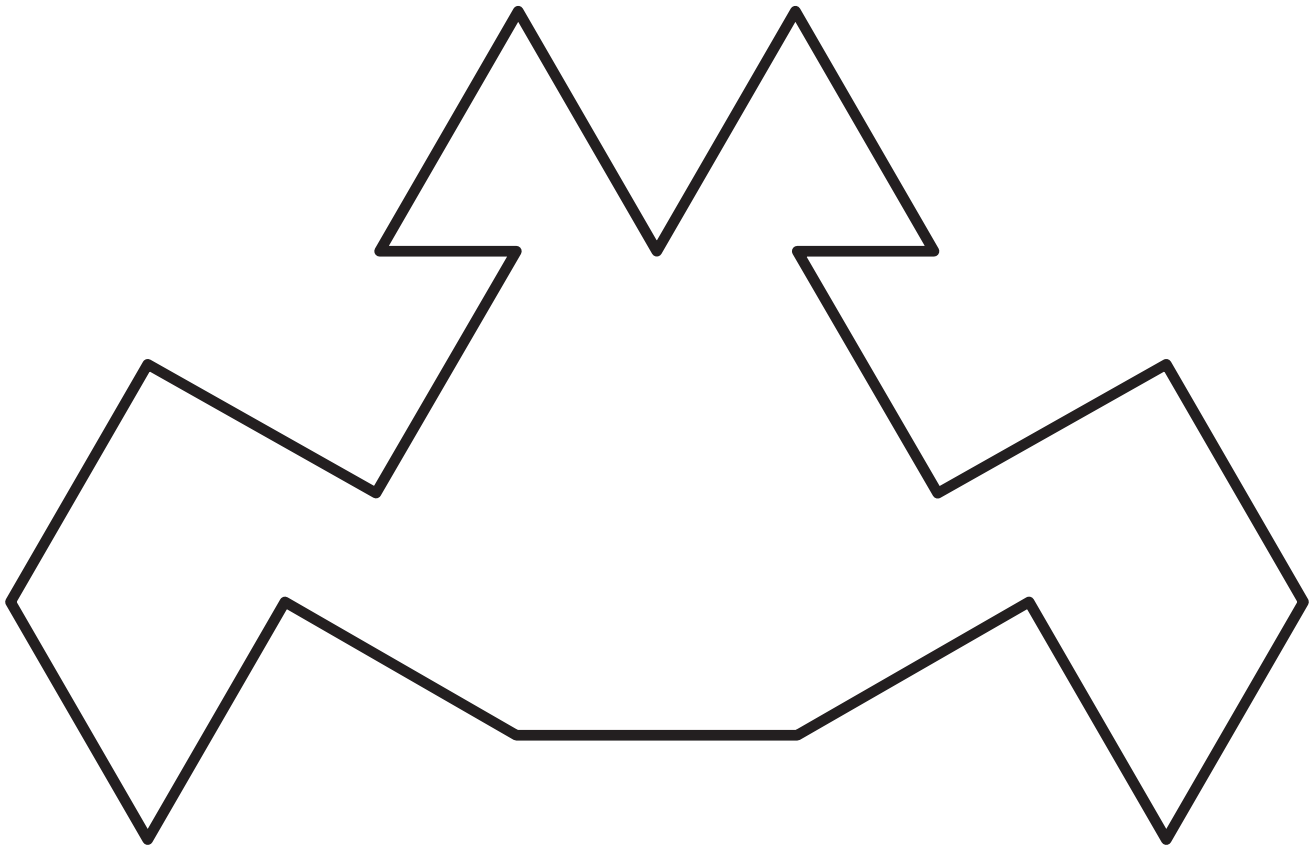
Pattern Blocks





Pattern Blocks

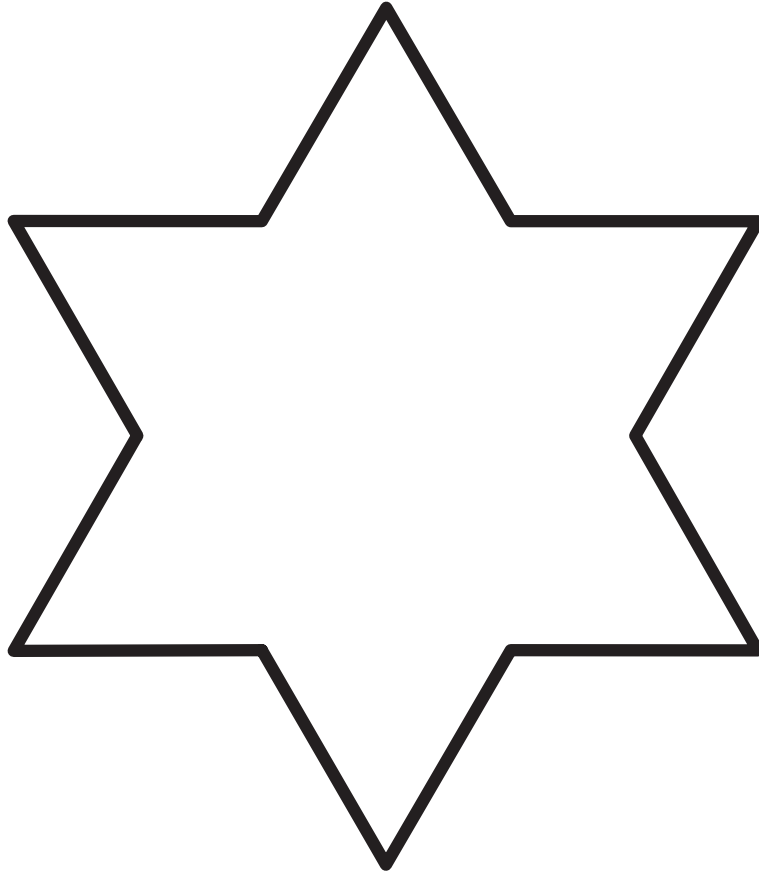
Stage 5





Pattern Blocks

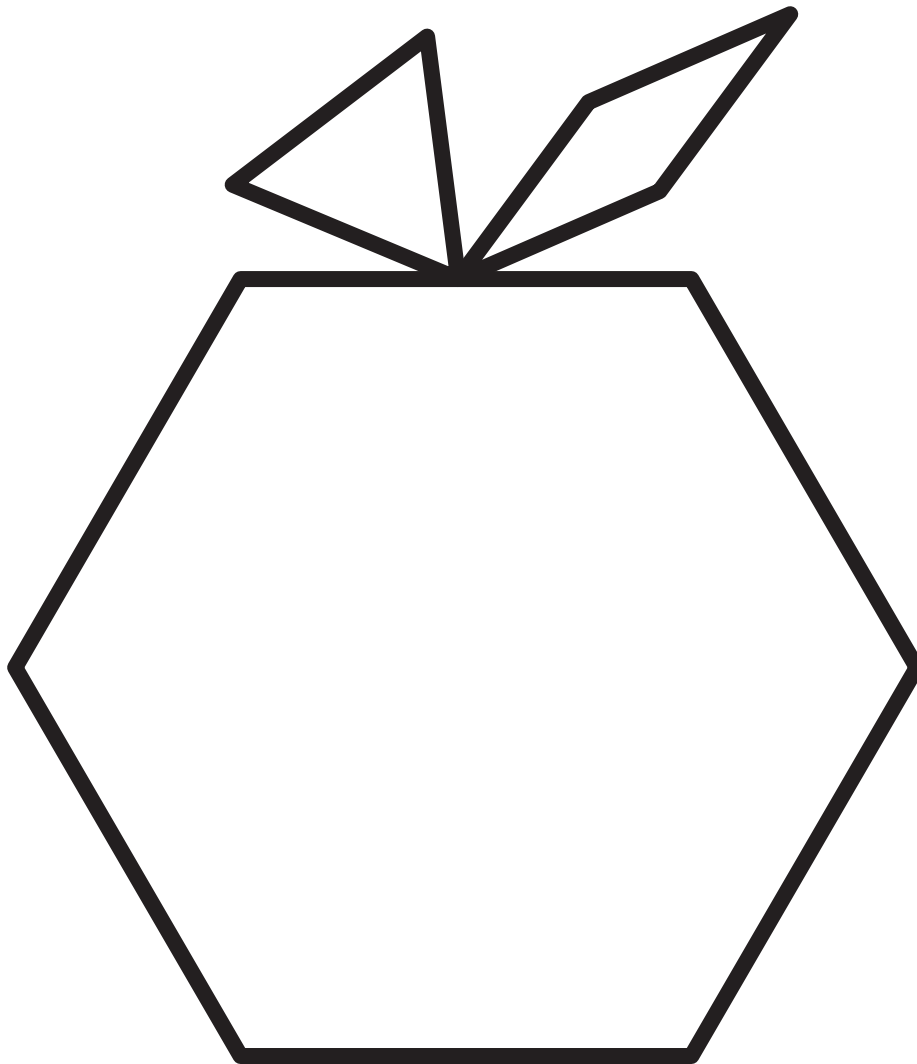
Stage 5





Pattern Blocks

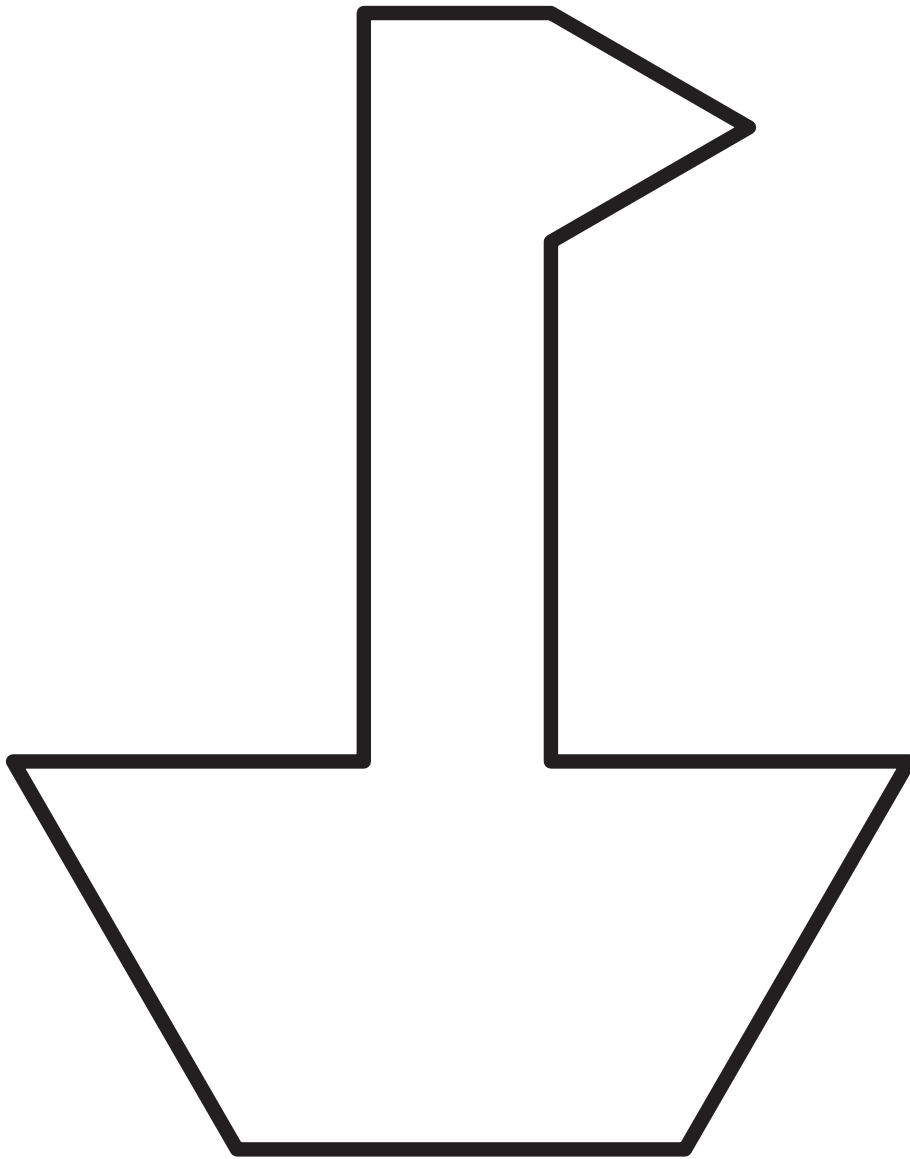
Stage 5





Pattern Blocks

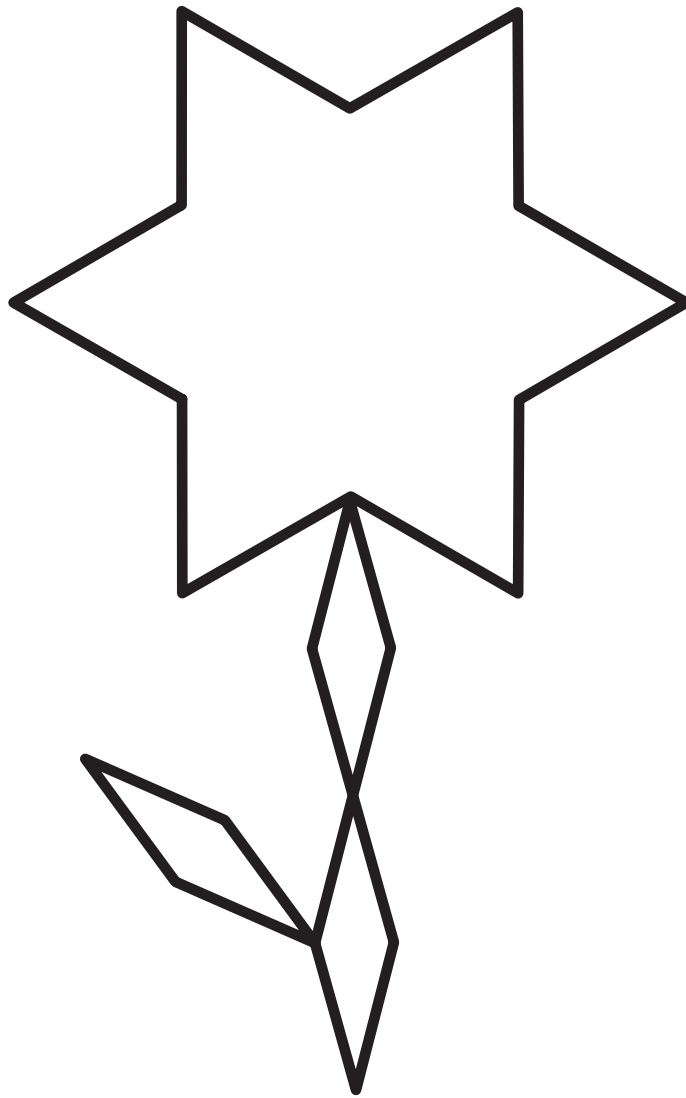
Stage 5





Pattern Blocks

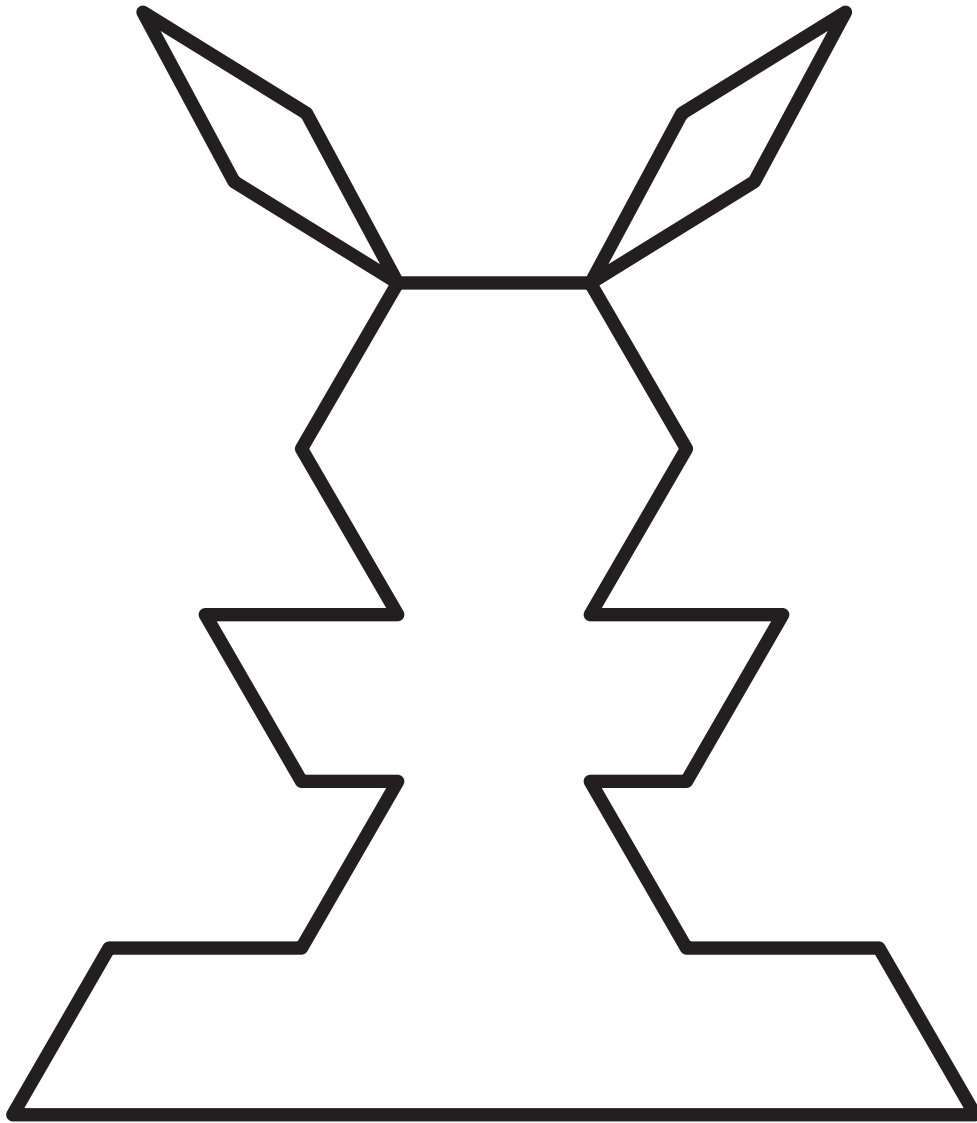
Stage 5





Pattern Blocks

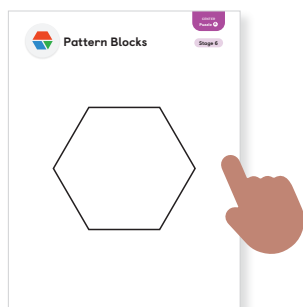
Stage 5





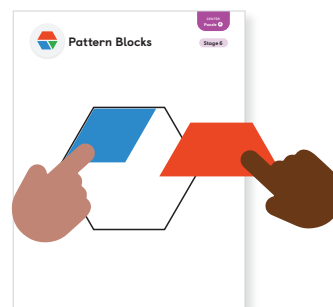
Pattern Blocks

1



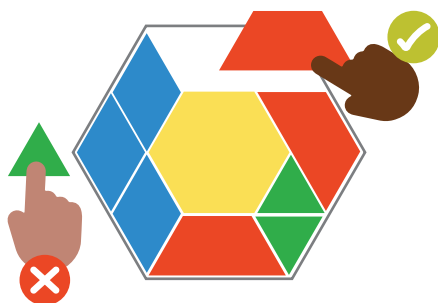
Choose a Puzzle.

2



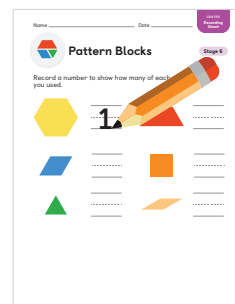
Take turns placing one pattern block in the Puzzle.

3



Try not to be the one to place the last block!

4



Record a number to show how many of each pattern block.

Let's put together pattern blocks.

Pairs

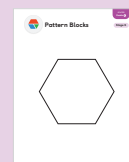
You'll need . . .



pattern blocks



Recording Sheet



Puzzles A-E

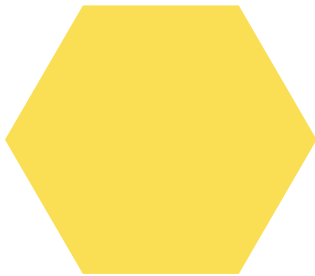
Name _____ Date _____



Pattern Blocks

Stage 6

Record a number to show how many of each pattern block you used.









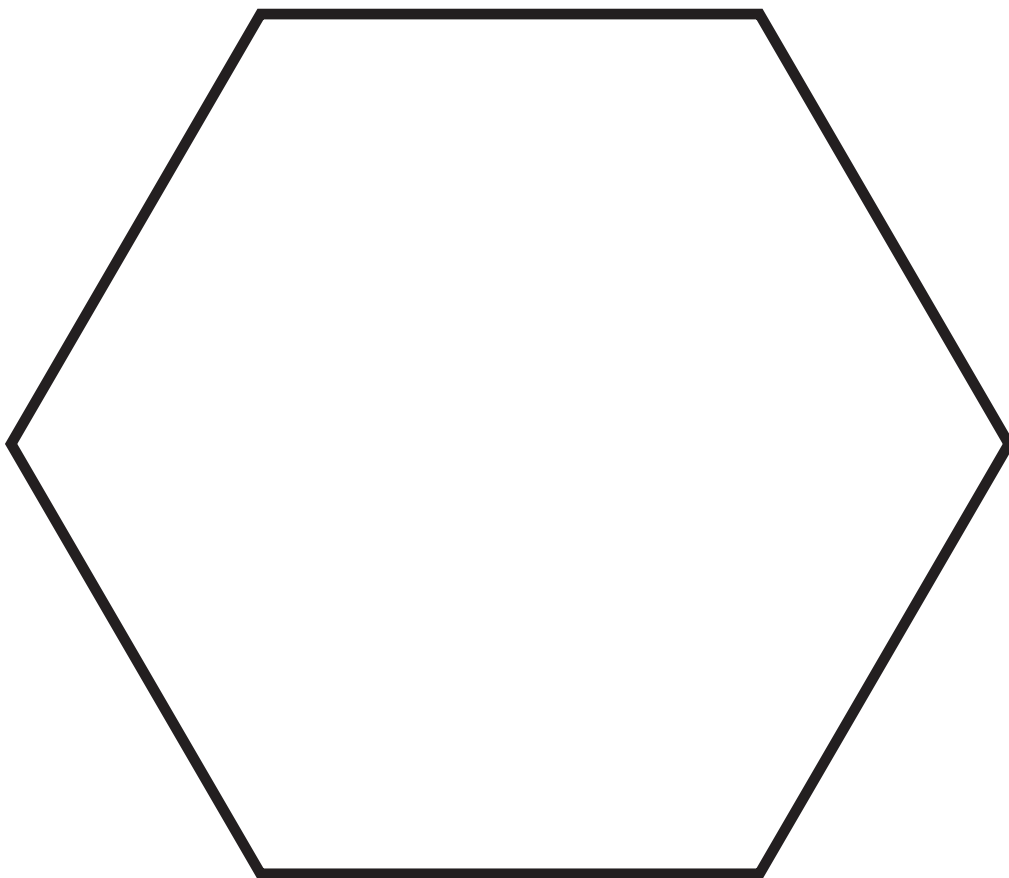






Pattern Blocks

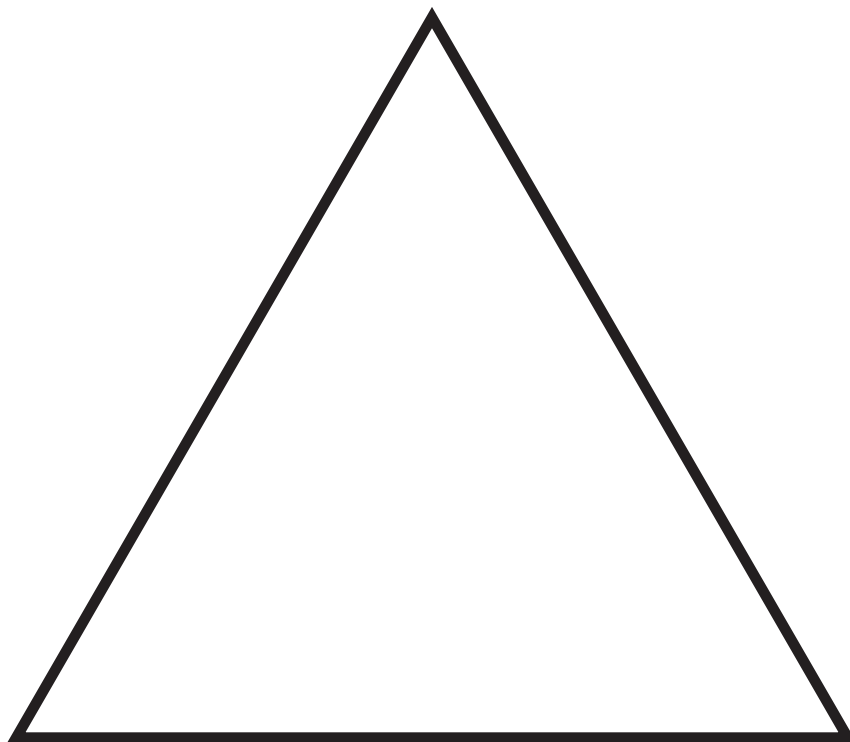
Stage 6





Pattern Blocks

Stage 6





Pattern Blocks

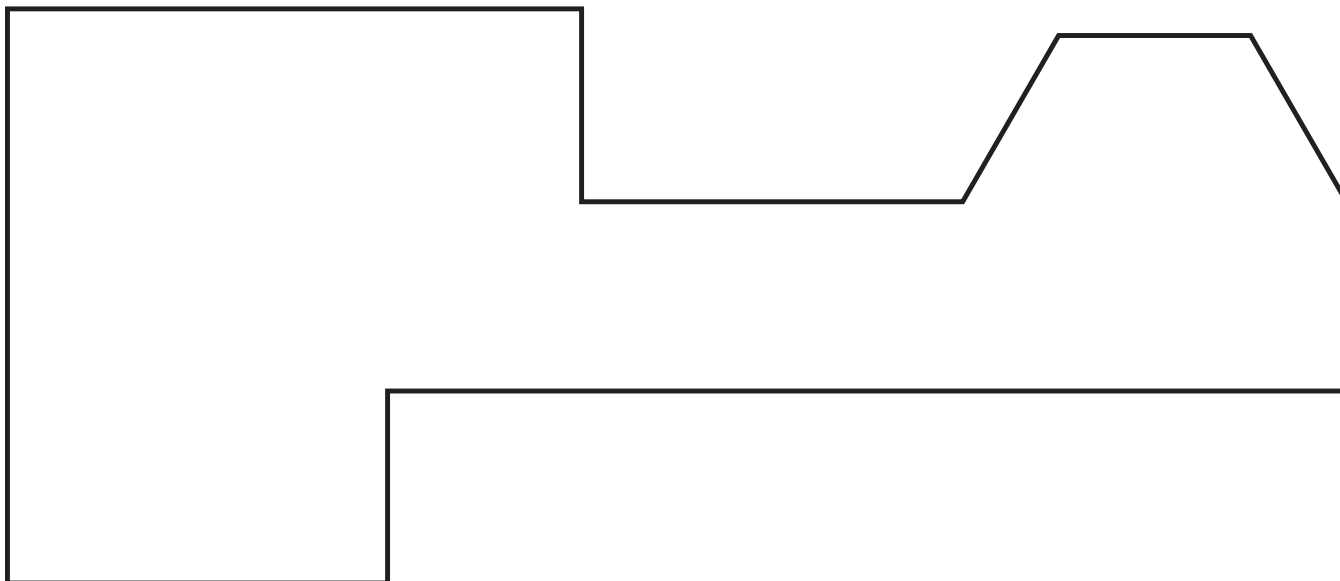
Stage 6





Pattern Blocks

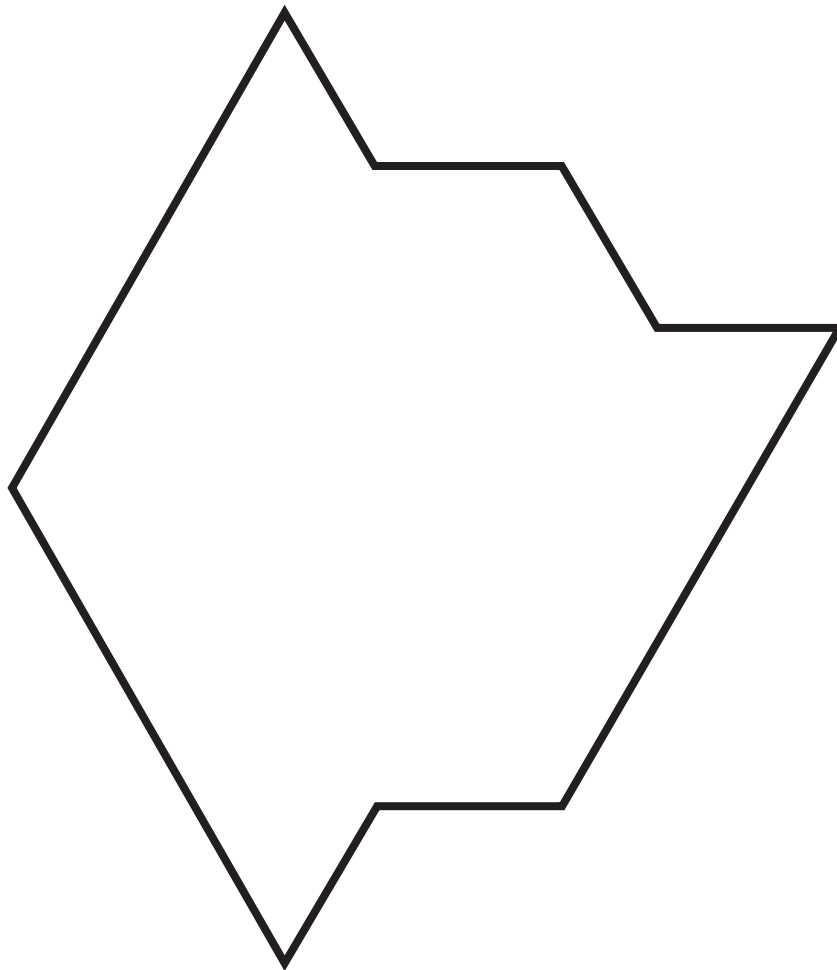
Stage 6





Pattern Blocks

Stage 6

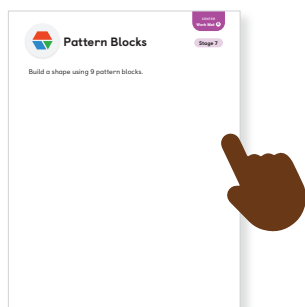




Pattern Blocks

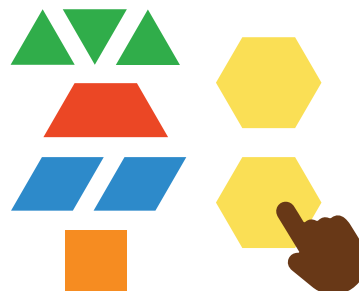
Stage 7

1



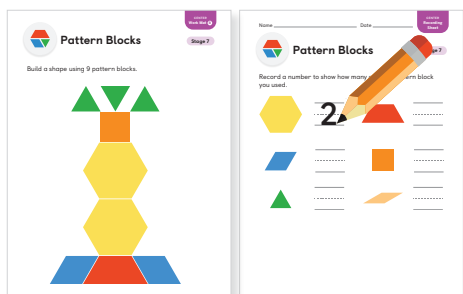
Choose a Work Mat.

2



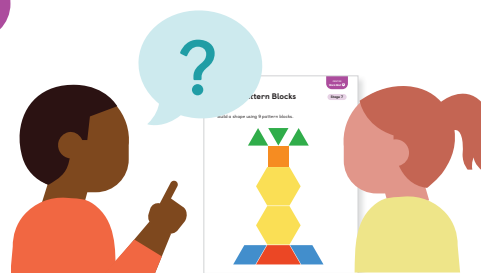
Count out the pattern blocks you need.

3



Build a shape, and record a number to show how many of each pattern block.

4



Show your partner the shape you made, and ask a question about it.

Let's count out pattern blocks and use them to build a shape.

Pairs

You'll need . . .



pattern blocks



Recording Sheet



Work Mats A-F

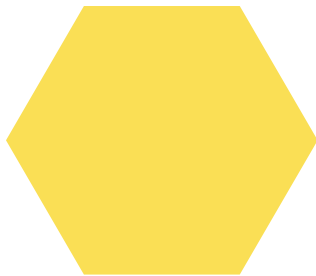
Name _____ Date _____



Pattern Blocks

Stage 7

Record a number to show how many of each pattern block you used.















Pattern Blocks

Build a shape using 15 pattern blocks.



Pattern Blocks

Stage 7

Build a shape using 9 pattern blocks.



Pattern Blocks

Build a shape using 18 pattern blocks.



Pattern Blocks

Stage 7

Build a shape using 7 pattern blocks.



Pattern Blocks

Stage 7

Build a shape using 20 pattern blocks.



Pattern Blocks

Stage 7

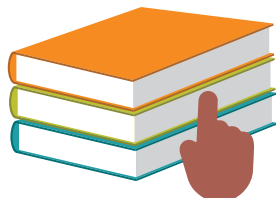
Build a shape using 12 pattern blocks.



Picture Books

Stage 1

1



Choose a book.

2



Look for groups of objects in the pictures.

3

Draw the group of objects.	How many are in the group?

Draw a group or write a number to show how many.

4



Talk with a partner about the groups you found and how you showed how many were in each group.

Let's find groups of objects and count how many.

Pairs

You'll need . . .



picture book



Recording Sheet

Name _____ Date _____



Picture Books

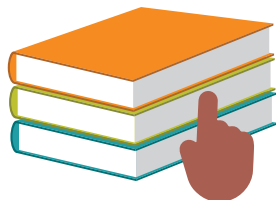
Stage 1

Draw the group of objects.	How many are in the group?
	<p>_____</p> <p>-----</p> <p>_____</p>
	<p>_____</p> <p>-----</p> <p>_____</p>
	<p>_____</p> <p>-----</p> <p>_____</p>
	<p>_____</p> <p>-----</p> <p>_____</p>



Picture Books

1



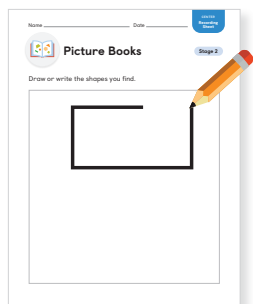
Choose a book.

2



Look for shapes.

3



Record the shapes in drawings or words.

4



Talk with a partner about the shapes you see.

Let's find shapes and talk about them.

Pairs

You'll need . . .



picture book



Recording Sheet

Name _____ Date _____

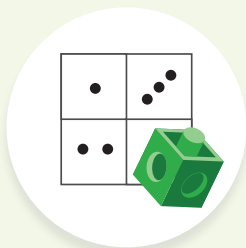


Picture Books

Stage 2

Draw or write the shapes you find.

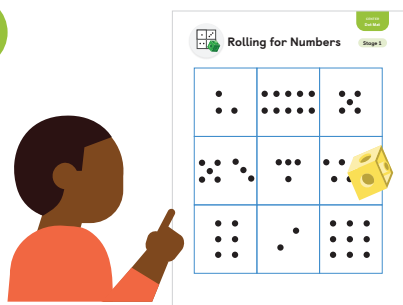
A large, empty rectangular box with a thin gray border, intended for students to draw or write the shapes they find in picture books.



Rolling for Numbers

Stage 1

1



Roll a cube onto the Dot Mat.

2



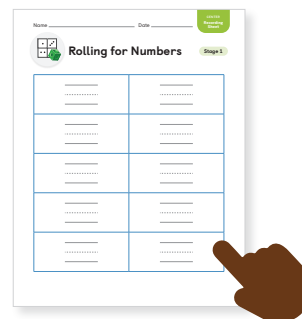
Figure out how many dots there are.

3



Record how many.

4



Repeat until your Recording Sheet is full.

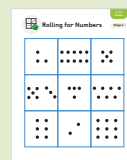
Let's roll and write how many.

Individual 

You'll need . . .



1 connecting cube

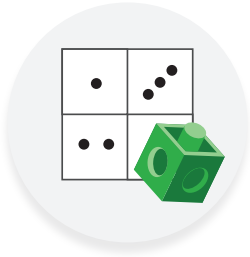


Dot Mat



Recording Sheet

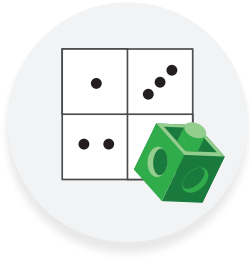
Name _____ Date _____



Rolling for Numbers

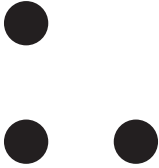
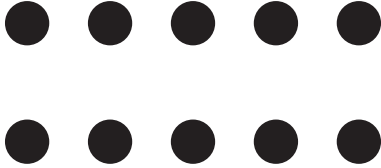
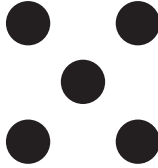
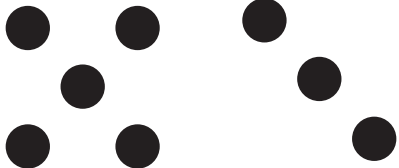
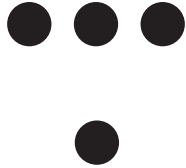
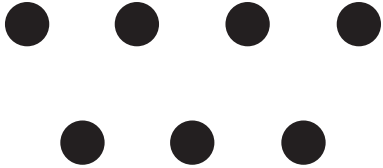
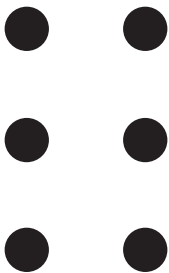
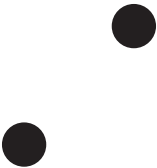
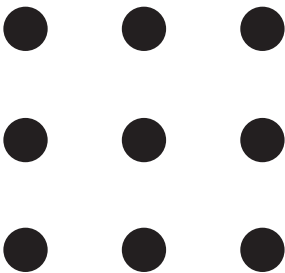
Stage 1

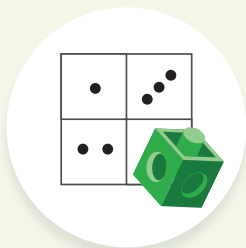
<hr/> <hr/> <hr/>	<hr/> <hr/> <hr/>
<hr/> <hr/> <hr/>	<hr/> <hr/> <hr/>
<hr/> <hr/> <hr/>	<hr/> <hr/> <hr/>
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Rolling for Numbers

Stage 1

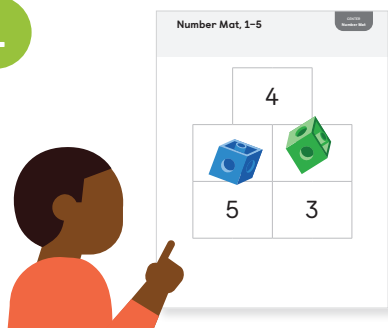
		
		
		



Rolling for Numbers

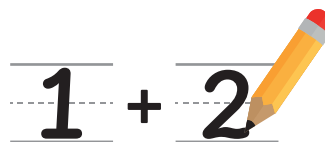
Stage 2

1



Roll two cubes onto the Number Mat.

2



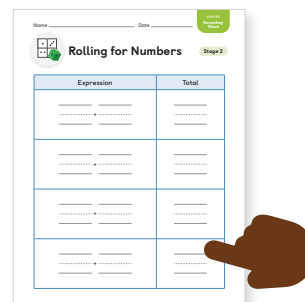
Write an expression with the numbers you rolled.

3



Add. Record the total.

4



Repeat until your Recording Sheet is full.

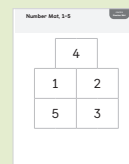
Let's roll, write an addition expression, and find the total.

Individual

You'll need . . .



2 connecting cubes

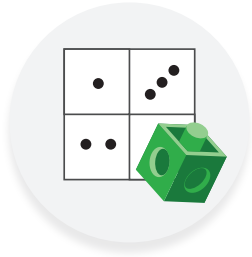


Number Mat, 1-5



Recording Sheet

Name _____ Date _____



Rolling for Numbers

Stage 2

Expression	Total
<p>_____</p> <p>----- + -----</p> <p>_____</p>	<p>_____</p> <p>-----</p> <p>_____</p>
<p>_____</p> <p>----- + -----</p> <p>_____</p>	<p>_____</p> <p>-----</p> <p>_____</p>
<p>_____</p> <p>----- + -----</p> <p>_____</p>	<p>_____</p> <p>-----</p> <p>_____</p>
<p>_____</p> <p>----- + -----</p> <p>_____</p>	<p>_____</p> <p>-----</p> <p>_____</p>



Shake and Spill

1



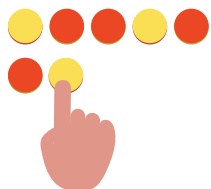
Put some counters in your cup.

2



Shake the cup and spill the counters.

3



Find how many counters.

4



Take turns. Change the number of counters each time.

Let's count how many.

Pairs

You'll need . . .



5-frames



10 two-color counters



cup



Work Mat



Shake and Spill

1



Put some counters in your cup.

2



Shake the cup and spill the counters.

3

fewer

more



Tell your partner which color has *more* and which color has *fewer*.

4



Take turns.

Let's compare.

Pairs

You'll need . . .



5-frames

10 two-color
counters

cup

Work
Mat



Shake and Spill

1



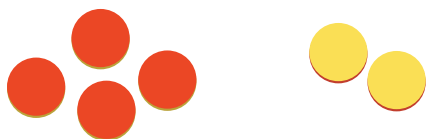
Put some counters in your cup.

2



Shake the cup and spill the counters.

3



Record how many red counters, how many yellow counters, and the total.

4



Take turns.

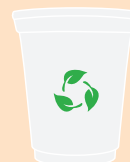
Let's figure out how many red counters, yellow counters, and the total.

Pairs

You'll need . . .



10 two-color counters



cup



Recording Sheet

Name _____ Date _____



Shake and Spill

Stage 3
(Words and Numbers)

Words and numbers	Total counters
<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px; margin: 0 auto;"></div> and <div style="border: 1px dashed black; width: 60px; height: 60px; margin: 0 auto;"></div> </div>	
<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px; margin: 0 auto;"></div> and <div style="border: 1px dashed black; width: 60px; height: 60px; margin: 0 auto;"></div> </div>	
<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px; margin: 0 auto;"></div> and <div style="border: 1px dashed black; width: 60px; height: 60px; margin: 0 auto;"></div> </div>	
<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px; margin: 0 auto;"></div> and <div style="border: 1px dashed black; width: 60px; height: 60px; margin: 0 auto;"></div> </div>	

Name _____ Date _____



Shake and Spill

Stage 3 (Expressions)

Expression	Total counters
<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>	
<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>	
<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>	
<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>	
<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>	
<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>	

Name _____ Date _____



Shake and Spill

Stage 3 (Equations)

Equation		
<input type="text"/>	+	<input type="text"/> = <input type="text"/>
<input type="text"/>	+	<input type="text"/> = <input type="text"/>
<input type="text"/>	+	<input type="text"/> = <input type="text"/>
<input type="text"/>	+	<input type="text"/> = <input type="text"/>
<input type="text"/>	+	<input type="text"/> = <input type="text"/>
<input type="text"/>	+	<input type="text"/> = <input type="text"/>
<input type="text"/>	+	<input type="text"/> = <input type="text"/>



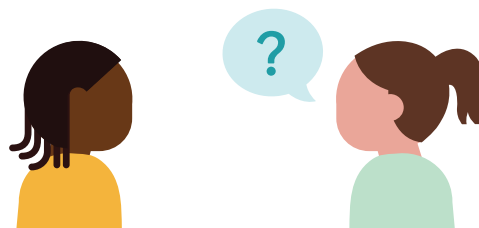
Shake and Spill

1



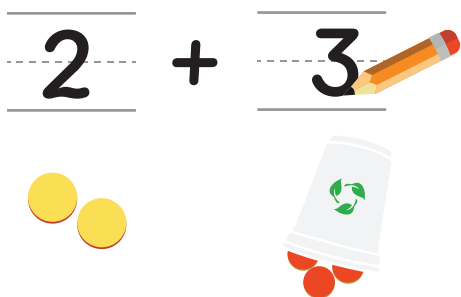
Put the 5 counters in the cup, shake the cup, spill the counters, and cover the red counters.

2



Show your partner. Ask, "How many are under the cup?"

3



Record how many yellow and how many red.

4



Take turns.

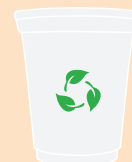
Let's find how many counters are covered.

Pairs

You'll need . . .



5 two-color counters



cup



Recording Sheet

Name _____ Date _____



Shake and Spill

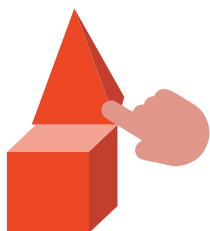
Stage 4

Total counters	Expression
	<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>
	<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>
	<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>
	<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>
	<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>
	<div style="display: flex; align-items: center; justify-content: center; gap: 20px;"> <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> + <div style="border: 1px dashed black; width: 60px; height: 60px;"></div> </div>



Solid Shapes

1



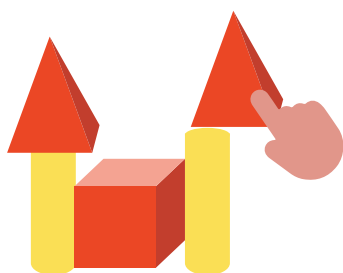
Explore the solid shapes.

2




Ask your partner what they did with the solid shapes.

3



Continue exploring the solid shapes.

Let's explore solid shapes.

Pairs 

You'll need . . .



geoblocks
geosolids

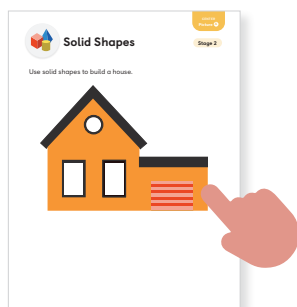


Work Mat



Solid Shapes

1



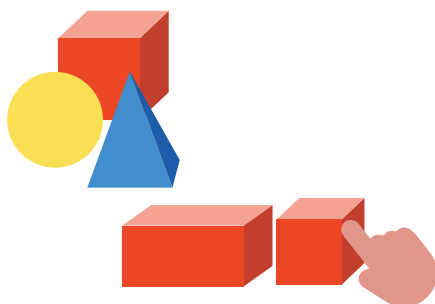
Choose a picture.

2



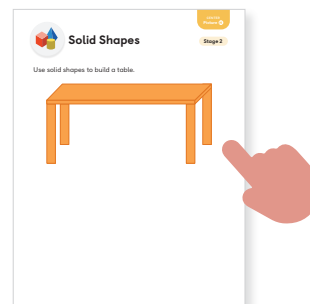
Talk with your partner about what shapes you will need.

3



Work together to build what is in the picture using solid shapes.

4



Choose another picture and start again.

Let's use solid shapes to build what's in a picture.

Pairs

You'll need . . .



geoblocks
geosolids



Pictures
A–J



Work Mat



Solid Shapes

Stage 2

Use solid shapes to build a house.





Solid Shapes

Stage 2

Use solid shapes to build a train.

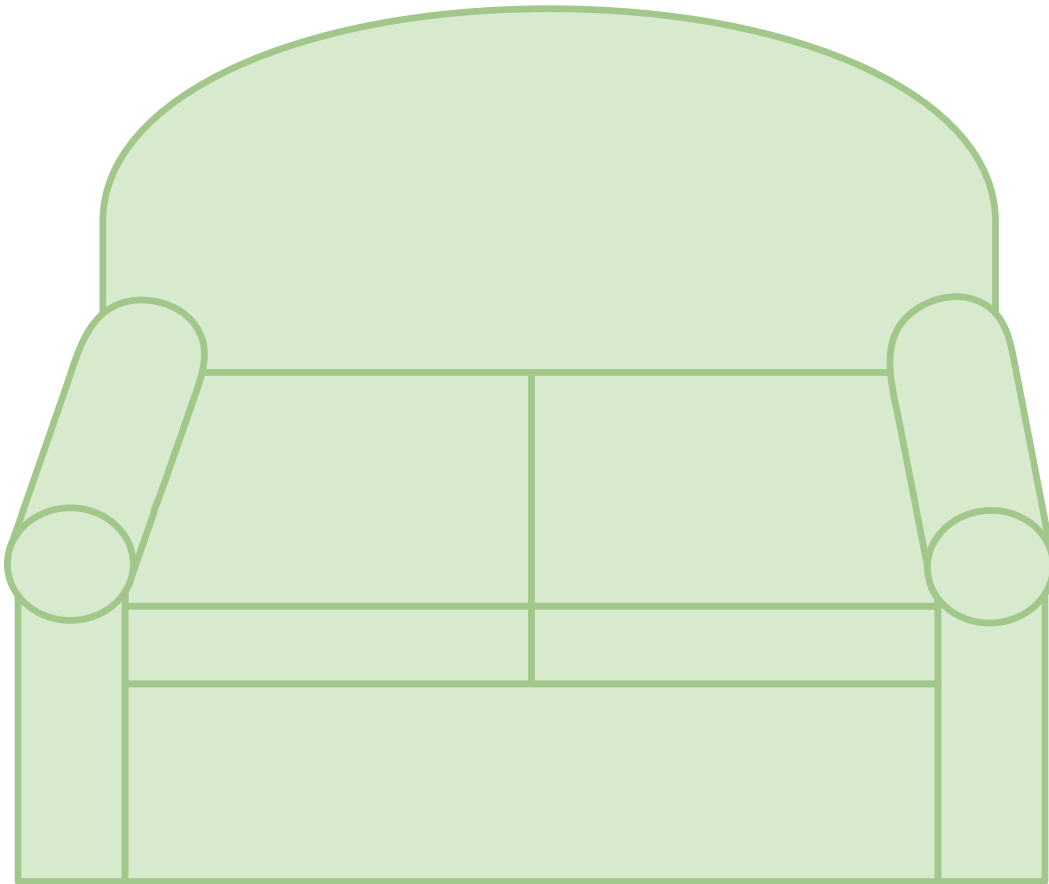




Solid Shapes

Stage 2

Use solid shapes to build a couch.





Solid Shapes

Stage 2

Use solid shapes to build a bus.





Solid Shapes

Stage 2

Use solid shapes to build a school.

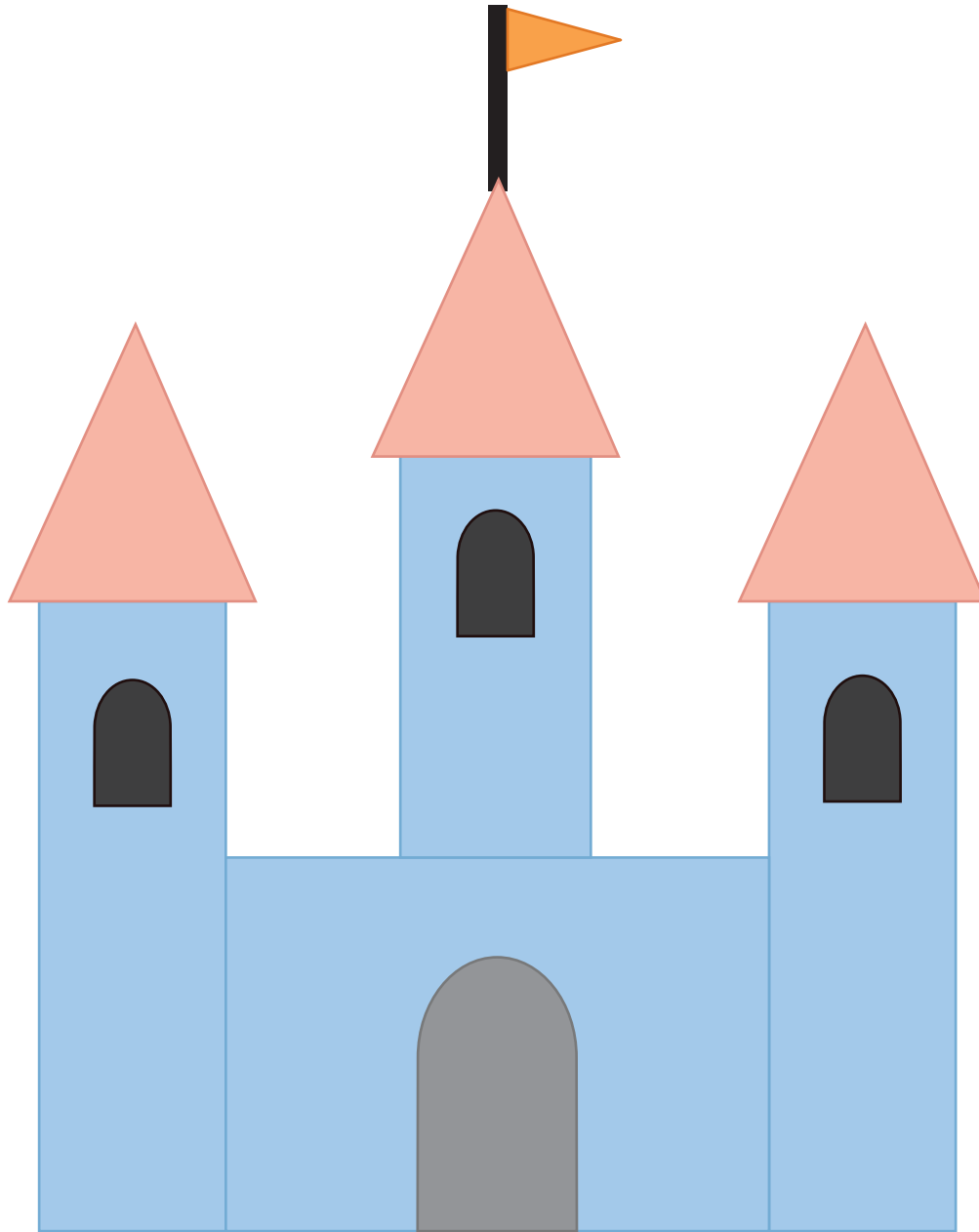




Solid Shapes

Stage 2

Use solid shapes to build a castle.





Solid Shapes

Stage 2

Use solid shapes to build a road.





Solid Shapes

Stage 2

Use solid shapes to build a table.

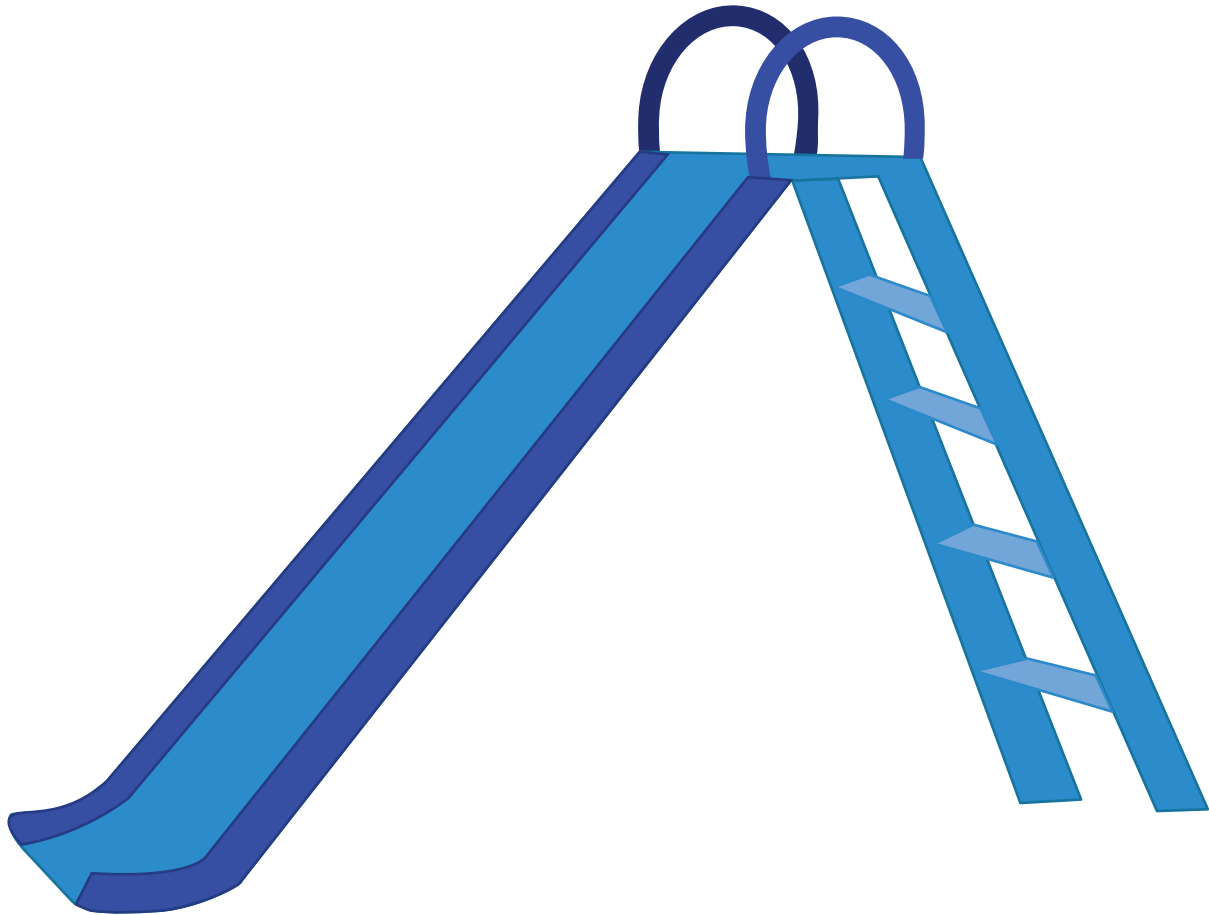




Solid Shapes

Stage 2

Use solid shapes to build a slide.

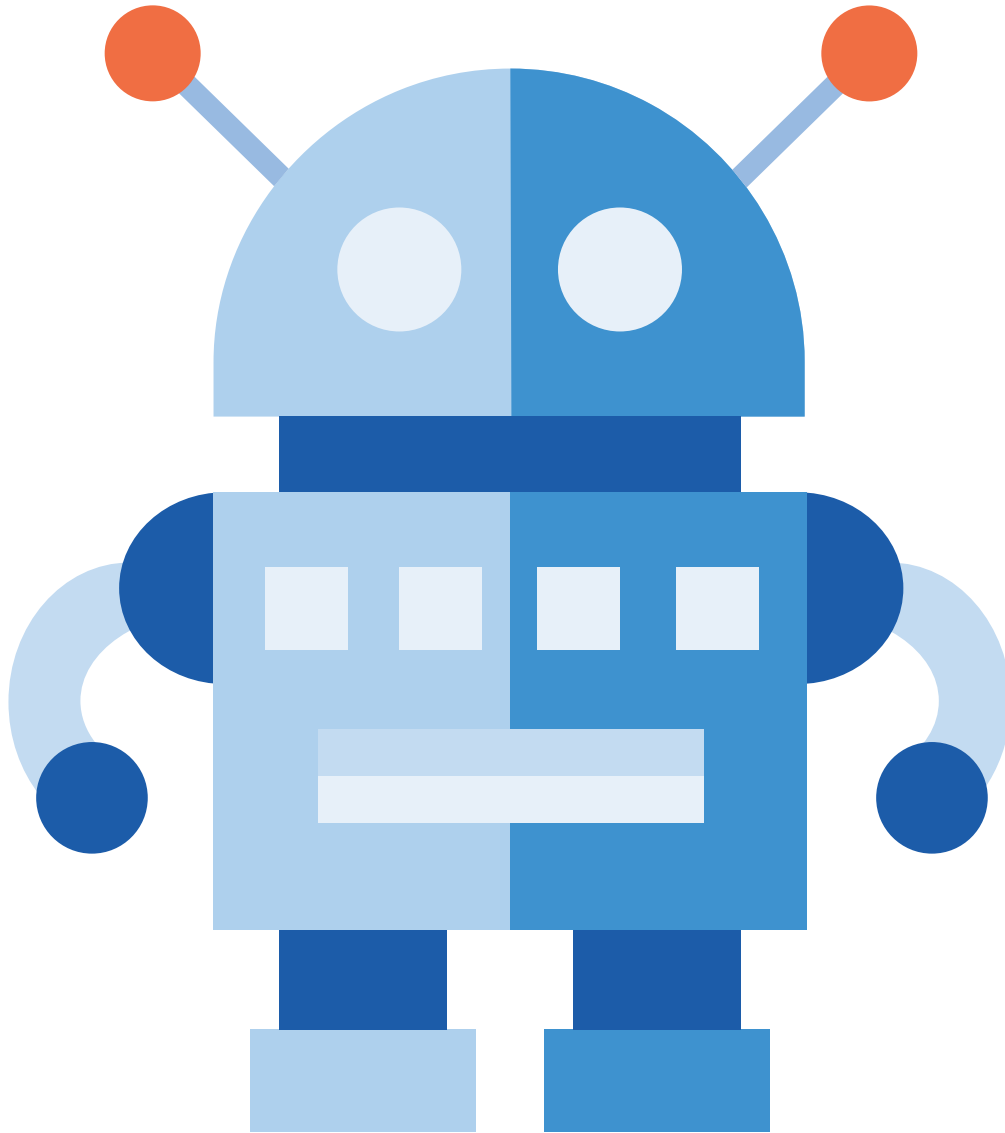




Solid Shapes

Stage 2

Use solid shapes to build a robot.

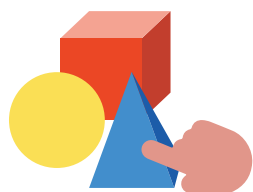




Solid Shapes

Stage 3

1



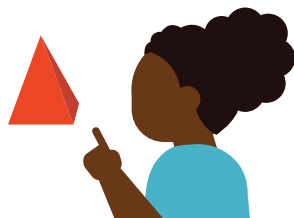
Player A: Choose a solid shape. Do not show or tell your partner which shape you chose.

2



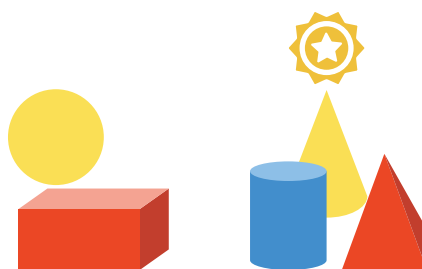
Describe the shape to your partner.

3



Player B: Guess the shape. If you are correct, keep the shape.

4



Take turns. The player with more shapes wins.

Let's describe solid shapes so your partner can find them.

Pairs

You'll need . . .



geosolids



Work Mat



Solid Shapes

Stage 4

1



Player A: Put 1 solid shape in the bag. Do not show your partner.

2



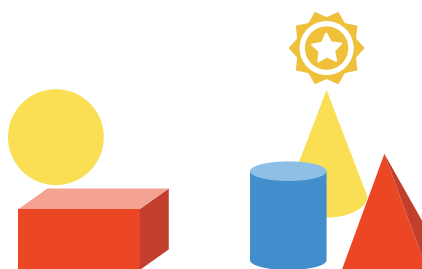
Player B: Feel the shape in the bag and guess what it is.

3



If you are correct, keep the shape.

4



Take turns. The player with more shapes wins.

Let's guess the solid shape without looking at it.

Pairs

You'll need . . .



geosolids

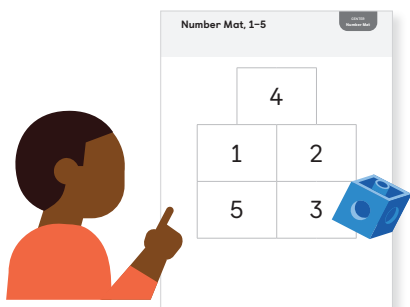


paper bag



Towers

1



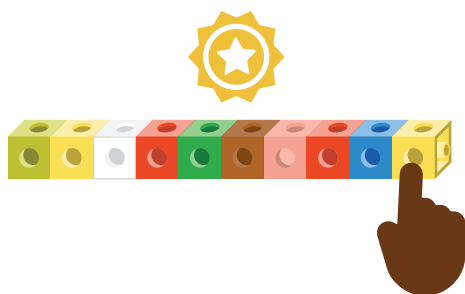
You and your partner each roll a cube onto the Number Mat.

2



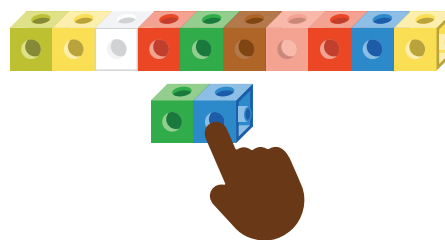
Look at the number you landed on and add that many cubes to your tower.

3



The first player to build a tower of 10 wins.

4



Start a new tower if you have more than 10 cubes.

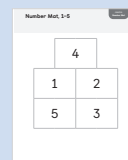
Let's count and build a tower to 10.

Pairs

You'll need . . .



connecting cubes

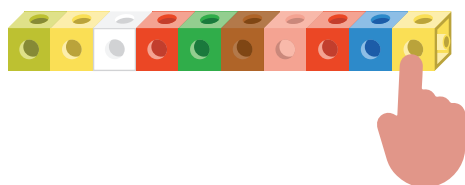


Number Mat, 1-5



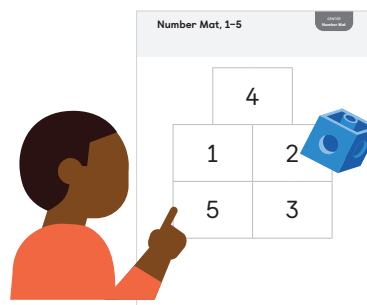
Towers

1



Player A: Build a tower with 5 to 10 cubes.

2



Player B: Roll a cube onto the mat to see how many to subtract.

3

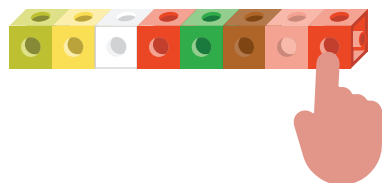


Figure out how many cubes are left.

4

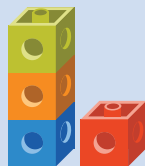
There are 8 cubes left.

Record how many cubes are left.

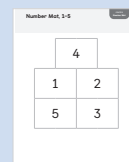
Let's subtract using connecting cubes.

Pairs

You'll need . . .



connecting cubes



Number Mat, 1-5



Recording Sheet

Name _____ Date _____



Towers

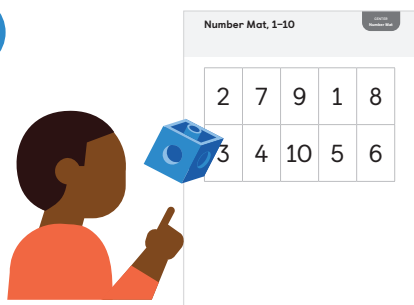
Stage 2

1	<p>_____</p> <p>-----</p> <p>There are _____ cubes left.</p>
2	<p>_____</p> <p>-----</p> <p>There are _____ cubes left.</p>
3	<p>_____</p> <p>-----</p> <p>There are _____ cubes left.</p>
4	<p>_____</p> <p>-----</p> <p>There are _____ cubes left.</p>
5	<p>_____</p> <p>-----</p> <p>There are _____ cubes left.</p>



Towers

1



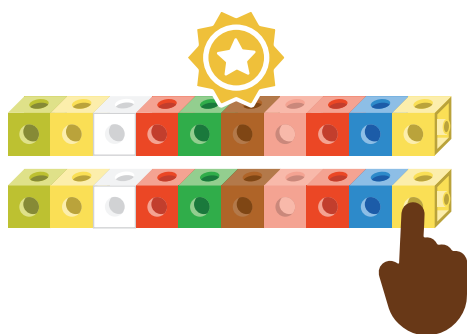
You and your partner each roll a cube onto the Number Mat.

2



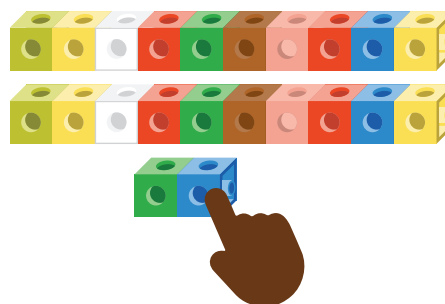
Look at the number you landed on and add that many cubes to your tower.

3



The first player to build a tower of 20 wins.

4



Start a new tower if you have more than 20 cubes.

Let's count and build a tower to 20.

Pairs

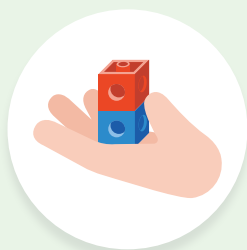
You'll need . . .



connecting cubes

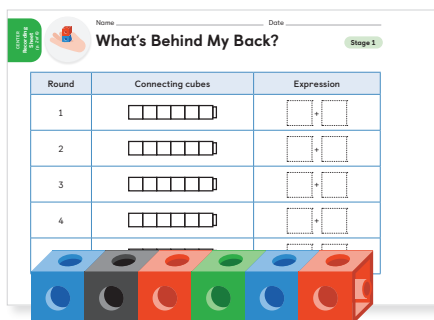


Number Mat, 1-10



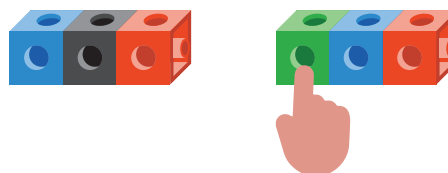
What's Behind My Back?

1



Build a tower of 5, 6, 7, 8, 9, or 10 cubes and find the Recording Sheet that matches.

2



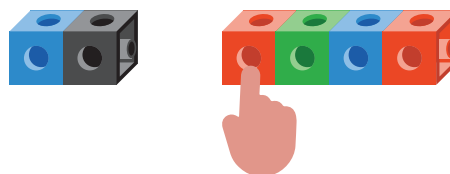
Break the tower into 2 parts.

3



Color the cubes to show the 2 parts. Then complete the addition expression.

4



Repeat until the Recording Sheet is full.

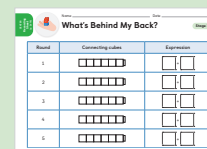
Let's break apart numbers within 10.

Pairs

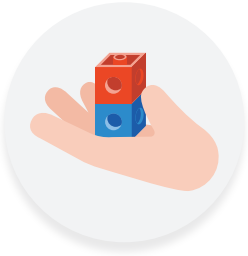
You'll need . . .



10 connecting cubes




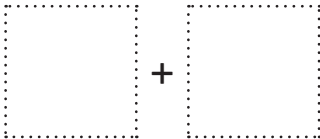

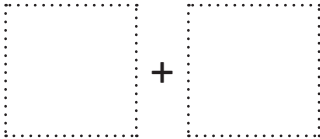

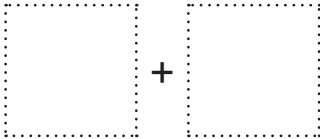

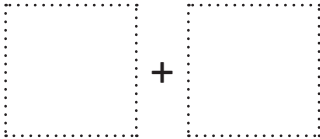

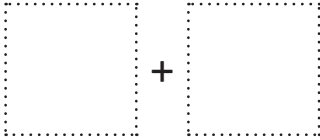
Recording Sheet

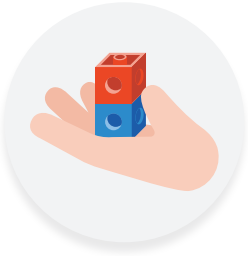


Name _____ Date _____

What's Behind My Back?

Stage 1

Round	Connecting cubes	Expression
1		
2		
3		
4		
5		

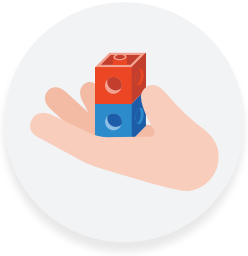


Name _____ Date _____

What's Behind My Back?

Stage 1

Round	Connecting cubes	Expression
1		<input type="text"/> + <input type="text"/>
2		<input type="text"/> + <input type="text"/>
3		<input type="text"/> + <input type="text"/>
4		<input type="text"/> + <input type="text"/>
5		<input type="text"/> + <input type="text"/>

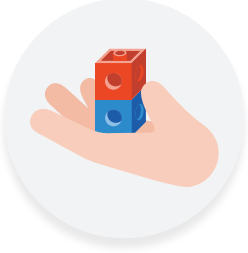


Name _____ Date _____

What's Behind My Back?

Stage 1

Round	Connecting cubes	Expression
1		<input type="text"/> + <input type="text"/>
2		<input type="text"/> + <input type="text"/>
3		<input type="text"/> + <input type="text"/>
4		<input type="text"/> + <input type="text"/>
5		<input type="text"/> + <input type="text"/>

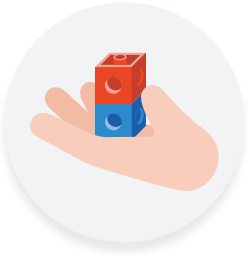


Name _____ Date _____

What's Behind My Back?

Stage 1

Round	Connecting cubes	Expression
1		<input type="text"/> + <input type="text"/>
2		<input type="text"/> + <input type="text"/>
3		<input type="text"/> + <input type="text"/>
4		<input type="text"/> + <input type="text"/>
5		<input type="text"/> + <input type="text"/>

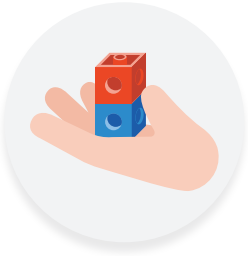


Name _____ Date _____

What's Behind My Back?

Stage 1

Round	Connecting cubes	Expression
1		$\square + \square$
2		$\square + \square$
3		$\square + \square$
4		$\square + \square$
5		$\square + \square$



Name _____ Date _____


What's Behind My Back?

Stage 1

Round	Connecting cubes	Expression
1		<input type="text"/> + <input type="text"/>
2		<input type="text"/> + <input type="text"/>
3		<input type="text"/> + <input type="text"/>
4		<input type="text"/> + <input type="text"/>
5		<input type="text"/> + <input type="text"/>

Work Mats, Cards, and Grids

Number Cards, 0–10

 **Directions:** Make as many copies as are needed; four copies of this page creates one set of cards. Cut out the cards to create a set of cards that will be used throughout the year.

1

Number Cards, 0–10

2

Number Cards, 0–10

3

Number Cards, 0–10

4

Number Cards, 0–10

5

Number Cards, 0–10

6

Number Cards, 0–10

7

Number Cards, 0–10

8

Number Cards, 0–10

9

Number Cards, 0–10


10

Number Cards, 0–10

0

Number Cards, 0–10

Number Cards, 11–19

 **Directions:** Make as many copies as are needed; four copies of this page creates one set of cards. Cut out the cards to create a set of cards that will be used throughout the year.

11

Number Cards, 11–19

12

Number Cards, 11–19

13

Number Cards, 11–19

14

Number Cards, 11–19

15

Number Cards, 11–19

16

Number Cards, 11–19

17

Number Cards, 11–19

18

Number Cards, 11–19

19

Number Cards, 11–19

Number Mat, 1-5

CENTER
Number Mat



Number Mat, 1-10

2

7

9

1

8

3

4

10

5

6

Number Mat, 11–20

17	18	20	15	11
14	12	19	16	13

Addition Expressions (up to 10)

✂ - **Directions:** Make 1 copy per pair of students. Pre-cut the cards and distribute them so that each pair receives one set of cards.

$$1 + 0$$

Addition Expressions

$$0 + 7$$

Addition Expressions

$$2 + 1$$

Addition Expressions

$$5 + 0$$

Addition Expressions

$$0 + 3$$

Addition Expressions

$$3 + 1$$

Addition Expressions

$$10 + 0$$

Addition Expressions

$$0 + 9$$

Addition Expressions

$$4 + 1$$

Addition Expressions

$$1 + 1$$

Addition Expressions

$$1 + 2$$

Addition Expressions

$$5 + 1$$

Addition Expressions

$$1 + 3$$

Addition Expressions

$$6 + 1$$

Addition Expressions

$$1 + 7$$

Addition Expressions

Addition Expressions (up to 10)

CENTER
Addition Cards
(p. 2 of 4)

$1 + 4$

Addition Expressions

$7 + 1$

Addition Expressions

$1 + 8$

Addition Expressions

$1 + 5$

Addition Expressions

$8 + 1$

Addition Expressions

$1 + 9$

Addition Expressions

$1 + 6$

Addition Expressions

$9 + 1$

Addition Expressions

$2 + 2$

Addition Expressions

$2 + 3$

Addition Expressions

$3 + 2$

Addition Expressions

$2 + 6$

Addition Expressions

$2 + 4$

Addition Expressions

$4 + 2$

Addition Expressions

$2 + 7$

Addition Expressions

Addition Expressions (up to 10)

CENTER
Addition Cards
(p. 3 of 4)

$4 + 6$

Addition Expressions

$6 + 4$

Addition Expressions

$2 + 8$

Addition Expressions

$2 + 5$

Addition Expressions

$5 + 2$

Addition Expressions

$3 + 3$

Addition Expressions

$6 + 2$

Addition Expressions

$4 + 3$

Addition Expressions

$3 + 5$

Addition Expressions

$7 + 2$

Addition Expressions

$5 + 3$

Addition Expressions

$3 + 6$

Addition Expressions

$8 + 2$

Addition Expressions

$6 + 3$

Addition Expressions

$3 + 7$

Addition Expressions

Addition Expressions (up to 10)

CENTER
Addition Cards
(p. 4 of 4)

$$3 + 4$$

Addition Expressions

$$7 + 3$$

Addition Expressions

$$4 + 4$$

Addition Expressions

$$4 + 5$$

Addition Expressions


$$5 + 5$$

Addition Expressions

$$5 + 4$$

Addition Expressions

Subtraction Expressions (up to 10)

 **Directions:** Make 1 copy per pair of students. Pre-cut the cards and distribute them so that each pair receives one set of cards.

$$8 - 6$$

Subtraction Expressions

$$8 - 4$$

Subtraction Expressions

$$9 - 9$$

Subtraction Expressions

$$8 - 2$$

Subtraction Expressions

$$8 - 7$$

Subtraction Expressions

$$9 - 7$$

Subtraction Expressions

$$9 - 5$$

Subtraction Expressions

$$9 - 8$$

Subtraction Expressions

$$9 - 6$$

Subtraction Expressions

$$9 - 4$$

Subtraction Expressions

$$7 - 4$$

Subtraction Expressions

$$7 - 7$$

Subtraction Expressions

$$9 - 3$$

Subtraction Expressions

$$7 - 3$$

Subtraction Expressions

$$7 - 6$$

Subtraction Expressions

Subtraction Expressions (up to 10)

$$9 - 1$$

Subtraction Expressions

$$7 - 1$$

Subtraction Expressions

$$7 - 2$$

Subtraction Expressions

$$7 - 5$$

Subtraction Expressions

$$9 - 2$$

Subtraction Expressions

$$6 - 5$$

Subtraction Expressions

$$6 - 6$$

Subtraction Expressions

$$5 - 5$$

Subtraction Expressions

$$6 - 2$$

Subtraction Expressions

$$6 - 4$$

Subtraction Expressions

$$5 - 4$$

Subtraction Expressions

$$6 - 1$$

Subtraction Expressions

$$6 - 3$$

Subtraction Expressions

$$5 - 3$$

Subtraction Expressions

$$3 - 3$$

Subtraction Expressions

Subtraction Expressions (up to 10)

$5 - 1$

Subtraction Expressions

$3 - 1$

Subtraction Expressions

$4 - 1$

Subtraction Expressions

$4 - 4$

Subtraction Expressions

$5 - 2$

Subtraction Expressions

$3 - 2$

Subtraction Expressions

$4 - 3$

Subtraction Expressions

$2 - 1$

Subtraction Expressions

$10 - 1$

Subtraction Expressions

$4 - 2$

Subtraction Expressions

$2 - 2$

Subtraction Expressions

$1 - 1$

Subtraction Expressions

$10 - 7$

Subtraction Expressions

$10 - 2$

Subtraction Expressions

$10 - 6$

Subtraction Expressions

Subtraction Expressions (up to 10)

$$10 - 5$$

Subtraction Expressions

$$10 - 9$$

Subtraction Expressions

$$10 - 8$$

Subtraction Expressions

$$10 - 0$$

Subtraction Expressions

$$10 - 3$$

Subtraction Expressions

$$10 - 4$$

Subtraction Expressions

Image Cards

✂ - **Directions:** Cut out to create a set of cards that will be used throughout the year.



Image Cards



Image Cards

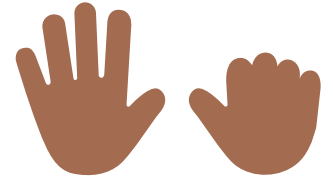


Image Cards

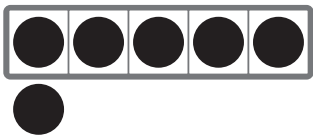


Image Cards

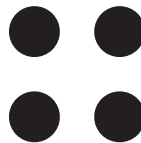


Image Cards



Image Cards

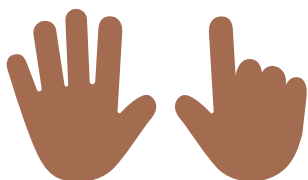


Image Cards

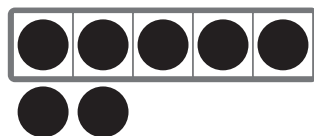


Image Cards

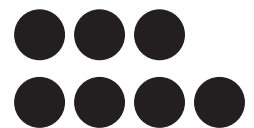


Image Cards

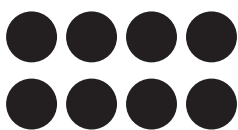


Image Cards

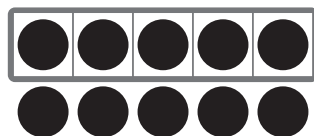


Image Cards

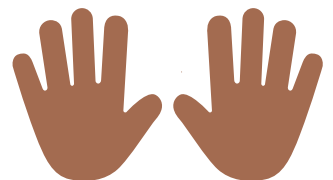


Image Cards

Image Cards



Image Cards



Image Cards

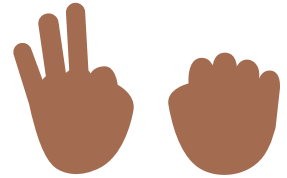


Image Cards



Image Cards

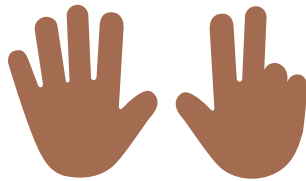


Image Cards

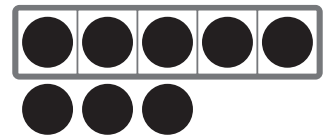


Image Cards

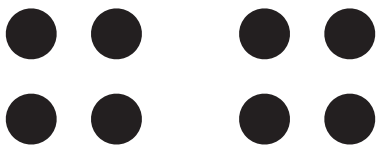


Image Cards

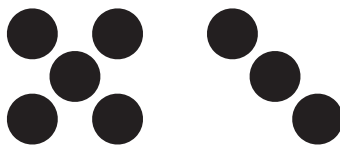


Image Cards

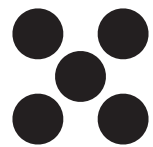


Image Cards

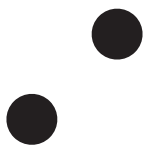


Image Cards



Image Cards



Image Cards

Image Cards

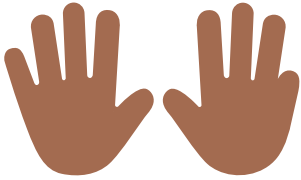


Image Cards

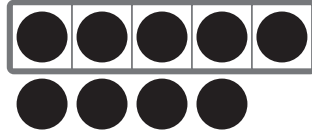


Image Cards

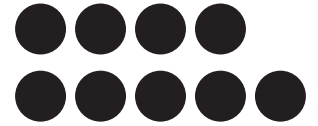


Image Cards



Image Cards

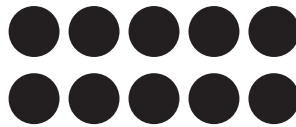


Image Cards



Image Cards



Image Cards



Image Cards



Image Cards

Work Mat

CENTER
Work Mat

A large, empty rectangular area with rounded corners, intended for student work. The area is completely blank and occupies most of the page.

