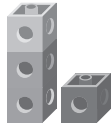


Name _____ Date _____

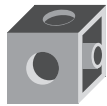
Notice and Wonder: Connecting Cubes

Use with Problem 1.

I notice . . .



the cubes are . . .



this cube is . . .

Word bank	
English	Español
big	grande
color	color
flat	plano
round	redondo
short	corto
small	pequeño
square	cuadrado
tall	alto

I wonder . . .

if I can . . .

Word bank						
Example Ejemplo						
English	build	connect	count	pattern	sort	stack
Español	construir	conectar	contar	patrón	clasificar	apilar

Name _____ Date _____

Notice and Wonder: Pattern Blocks

Use with Problem 1.

I notice . . .



these pattern blocks are . . .





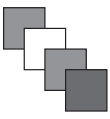


this pattern block is . . .

Word bank	
English	Español
big	grande
color	color
different	diferente
pointy	puntiagudo
round	redondo
shape	figura
similar	similar
small	pequeño
square	cuadrado
triangle	triángulo

I wonder . . .

if I can . . .

Word bank					
Example Ejemplo					
English	build	count	pattern	sort	stack
Español	construir	contar	patrón	clasificar	apilar

Name _____ Date _____

Solid Shapes

Use with Problem 1.

I notice . . .



these shapes are . . .


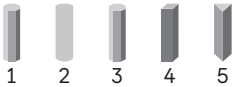




this shape is . . .

Word bank	
English	Español
color	color
curved	curvo
flat	plano
round	redondo
shape	forma
short	corto
solid	sólido
straight	recto
tall	alto

I wonder . . .

if I can . . .

Word bank				
Example Ejemplo				
English	build	count	pattern	sort
Español	construir	contar	patrón	clasificar

Name _____ Date _____

Notice and Wonder: Counters and 5-Frames

Use with Problem 1.



I notice . . .

there are . . .

some of these are . . .

I wonder . . .

if I can . . .

Word bank	
English	Español
black	negro
box	caja
circle	círculo
color	color
first	primero
five	cinco
red	rojo
round	redondo
square	cuadrado
yellow	amarillo

Name _____ Date _____

Connecting Cubes

Use with Problem 1.

First, I . . .

Then I . . .



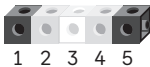
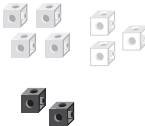

My partner started by . . .

Then my partner . . .

We both . . .

I _____, but my partner _____.

Word bank	
English	Español
card	tarjeta
cube	cubo
different	diferente
each	cada
object	objeto
picture	imagen
same	igual

Word bank					
Example Ejemplo					
English	build	connect	count	sort	stack
Español	construir	conectar	contar	clasificar	apilar

Name _____ Date _____

Classroom Scavenger Hunt

Use with Problem 1.

I found a group of ...

This group is ...

There are _____ in the
group. *(number)* *(objects)*

The _____ are similar because ...
(objects)

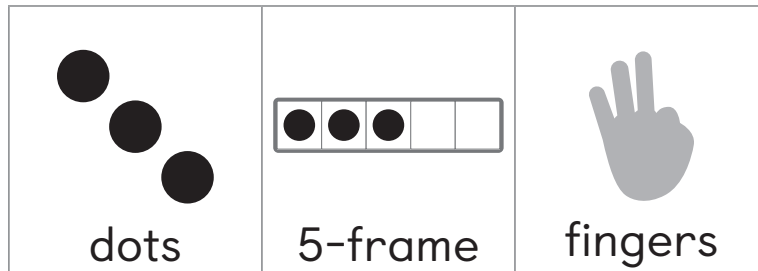
The _____ are different because ...
(objects)

Word bank	
English	Español
color	color
different	diferente
group	grupo
large	grande
number	número
object	objeto
shape	figura
similar	similar
size	tamaño
small	pequeño

Name _____ Date _____

Matching Groups

Use with Problem 5.



These match because . . .

These do not match because . . .

This one shows . . .

Word bank	
English	Español
card	tarjeta
different	diferente
group	grupo
match	emparejar
number	número
row	fila
same	igual
one	uno
two	dos
three	tres
four	cuatro

Name _____ Date _____

Flash and Find

Use with Activity 1.

Word bank				
English	different	group	number	same
Español	diferente	grupo	número	igual



To open the backpack I need to . . .



The backpack shows _____ dots.



This group shows _____ dots.



The groups of dots _____ the same because . . .
(are/are not)

I noticed . . .

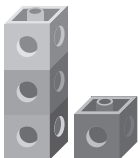



I counted . . .

I clicked on . . .

Name _____ Date _____

Getting the Number

Use with Problem 2.

Tools			
			
connecting cubes	counters	5-frame	pattern blocks

Word bank				
English	different	group	number	same
Español	diferente	grupo	número	igual

We both . . .

I showed the number _____ using _____.
(number) (tool)

My partner and I both showed a group of _____.
(number)

I used _____ to show my group and my partner used _____.
(tool) (tool)

Name _____ Date _____

Skye's Polka Dot Shoes

Use with Problem 1.

The groups are the same because ...

The groups are different because ...

I noticed ...

I counted ...

_____, groups _____
(Yes/No) (can/cannot)
show the same number but
use different arrangements.

Word bank	
English	Español
arrangement	disposición
different	diferente
group	grupo
number	número
polka dot	lunares
same	igual
shoe	zapato

1



2



3



4



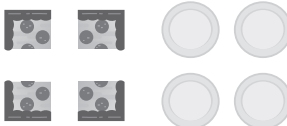

5



Name _____ Date _____

Are There Enough? (Part 1)

Use with Problem 2.

Enough	<u>Not</u> enough
	

I know there _____ enough
because ... *(are/are not)*

I showed that there _____
enough by ... *(are/are not)*

We can figure out if there is
enough by ...

Word bank	
English	Español
different	diferente
enough	suficiente
fruit	fruta
group	grupo
lunchbox	lonchera
piece	pieza
same	igual

Name _____ Date _____

Are There Enough? (Part 2)

Use with Problem 1.

Word bank					
English	different	enough	group	person	same
Español	diferente	suficiente	grupo	persona	mismo



I know there _____ enough plates because . . .
(are/are not)



I showed that there _____ enough plates by . . .
(are/are not)



We can figure out if there are enough plates by . . .

Name _____ Date _____

How Many Are There?

Use with Problem 2.

First, I will . . .

Next, I will . . .

The tool I want to use is . . .

There are _____ objects in
(number)



my bag.

I figured out how many there
were by . . .

Word bank	
English	Español
count	contar
group	grupo
number	número
object	objeto
tool	herramienta

Name _____ Date _____

Building With Cubes

Use with Problem 2.

There were _____ cubes in my bag.
(number)



The number of cubes is
_____.
(the same/different)



I built . . .

The number of cubes _____ change because . . .
(did/did not)







Word bank	
English	Español
build	construir
count	contar
different	diferente
group	grupo
number	número
same	igual

Name _____ Date _____

How Many Are There?

Use with Problem 1.

Strategies			
			
point and count	line up	move each	organize

I need to ...

There were _____ objects in my bag.
(number)



I can ...



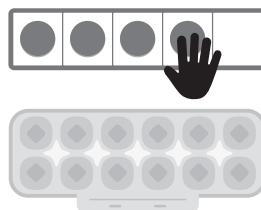

The strategy I used was ...

Word bank	
English	Español
count	contar
group	grupo
number	número
object	objeto

Name _____ Date _____

Organizing Library Books

Use with Problem 1.

Strategies			
			
line up	move each	organize	point and count

I need to ...

There were _____ books in my bag.
(number)

I can ...





The strategy I used was ...

Word bank	
English	Español
count	contar
egg carton	cartón de huevos
group	grupo
number	número

Name _____ Date _____

How Many Are There?

Use with Problem 1.

Strategies			
			
line up	move each	organize	point and count

First I will ...

Next I will ...

There are _____ objects in my bag.
(number)



I know there are _____ objects
because ... (number)


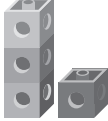



I represented how many by ...

Word bank	
English	Español
count	contar
drawing	dibujo
group	grupo
number	número
school bus	autobús escolar

Name _____ Date _____

Sharing Our Creations

Use with Problem 2.

Tools				
				
5-frame	connecting cubes	counters	pattern blocks	solid shapes

How many _____ did you use?
(tool)

How did you ...?

Why did you use ...?

I like how you ...

Word bank	
English	Español
color	color
creation	creación
number	número
use	usar

Name _____ Date _____

Ways to be a Mathematician

Formas de ser matemático/ matemática

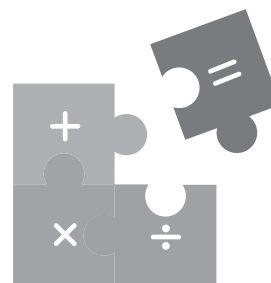
- 1** I can take my time to think about a challenging problem before trying to solve it.

Puedo tomarme mi tiempo para pensar en un problema difícil antes de intentar resolverlo.



- 2** I can use math to help solve real-world problems.

Puedo usar las matemáticas para ayudar a resolver problemas del mundo real.



Name _____ Date _____

Questions and Sentence Frames

Why did you choose this statement?

Did you choose any others? Why or why not?

How did you use this thinking during the Activity?

Can you tell me more?

I chose this statement because . . .

I also chose _____ because . . .

In the Activity, I . . .

Name _____ Date _____











Math Fingers, Show and Say

Use with Problem 1.

I see _____ fingers.
(number)

I know there are _____ fingers because ...
(number)

I figured out how many by ...

1  one	2  two	3  three	4  four	5  five
6  six	7  seven	8  eight	9  nine	10  ten

Name _____ Date _____

Moving and Grooving

Use with Problem 1.



I counted _____ cubes.
(number)



Now there are _____ cubes.
(number)



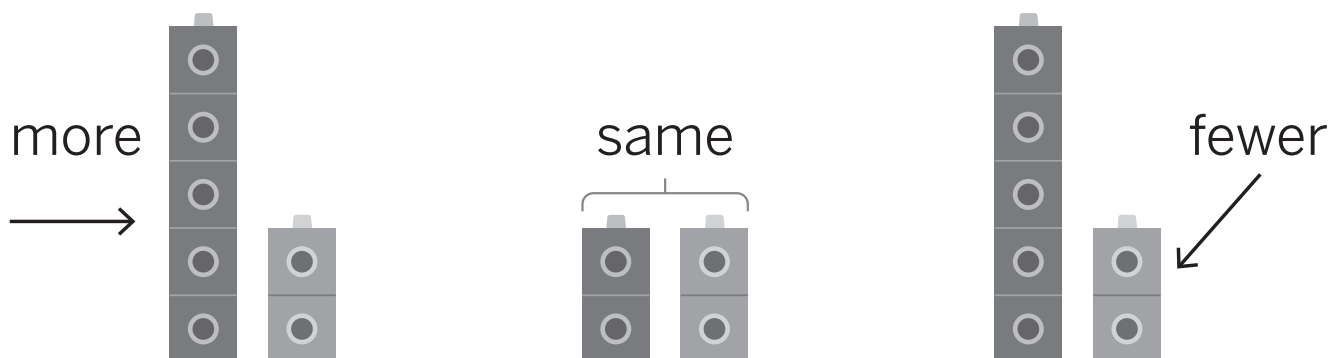
The cubes are _____.
(the same/different)

<p>1</p> <p>one</p>	<p>2</p> <p>two</p>	<p>3</p> <p>three</p>	<p>4</p> <p>four</p>	<p>5</p> <p>five</p>
<p>6</p> <p>six</p>	<p>7</p> <p>seven</p>	<p>8</p> <p>eight</p>	<p>9</p> <p>nine</p>	<p>10</p> <p>ten</p>

Name _____ Date _____

Shake and Spill

Use with Problem 2.



I noticed there are _____ yellow counters.
(number)

I noticed there are _____ red counters.
(number)

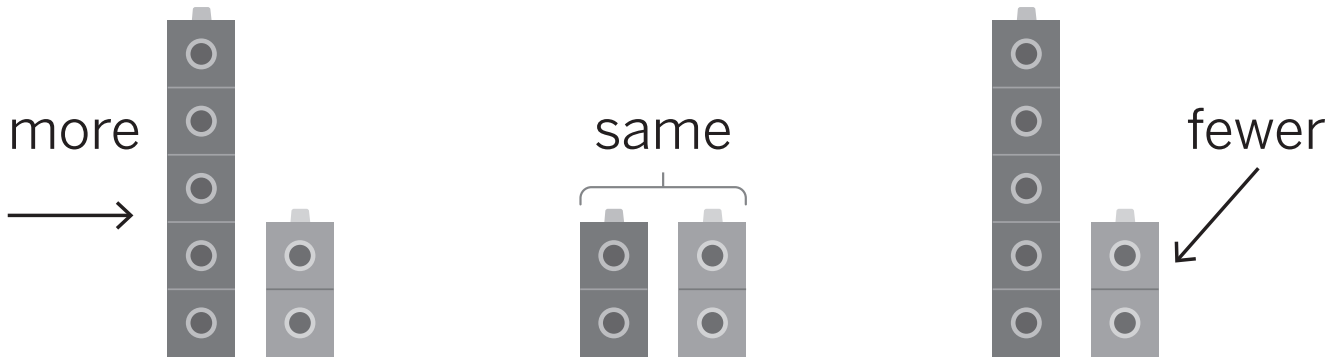
There are _____ red counters than yellow.
(more/fewer)

I know they are _____ because ...
(more/fewer/the same)

Name _____ Date _____

Less, Same, More

Use with Problem 2.



The top box has _____ counters.
(number)

The box has fewer counters because ...

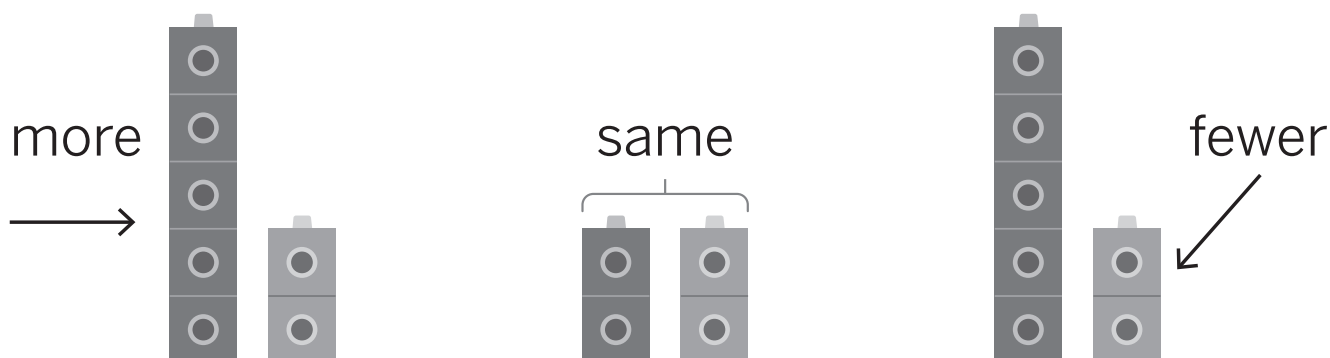
The box has more counters because ...

The boxes are the same because ...

Name _____ Date _____

Matching Mystery Bags

Use with Problem 1.



Bag _____ has _____ red cubes than yellow cubes.
(A/B/C) (fewer/more)

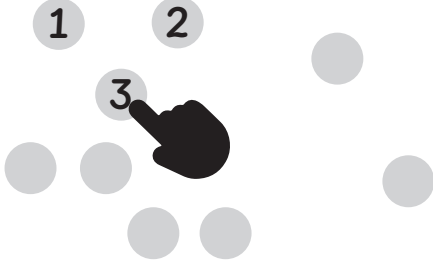
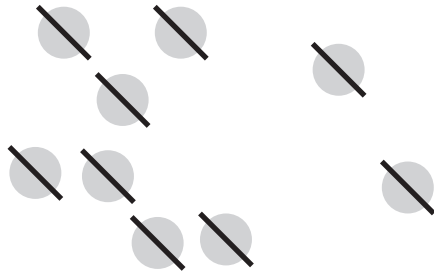
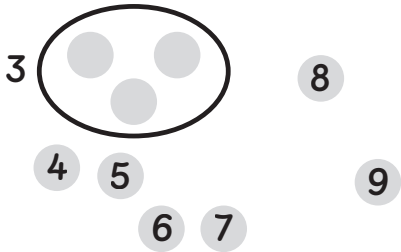

Bag _____ has the same number of red and yellow cubes.
(A/B/C)

I know bag _____ matches because ...
(A/B/C)

Name _____ Date _____

Counting Unorganized Groups

Use with Problems 2–5.

 <p>pointing and counting</p>	 <p>crossing out dots</p>
 <p>making groups and counting on</p>	 <p>putting counters on the dots</p>






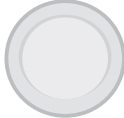


I counted _____ dots.
(number)

I know there are _____ dots because I ...
(number)

Name _____ Date _____

Setting the Table

Use with Problems 1-4.

Objects			
			
bowl	cup	fork	knife
			
napkin	plate	spoon	straw

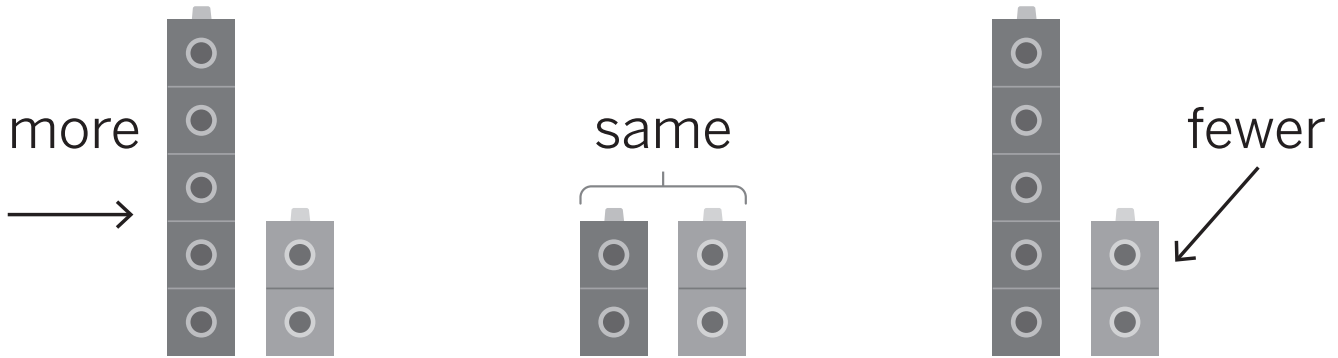
There are _____ s than _____ s.
(more/fewer) (object 1) (object 2)

I know there are _____ s than _____ s
(more/fewer) (object 1) (object 2)
because ...

Name _____ Date _____

Comparing Cards

Use with Problem 1.



I have _____ dots and that is _____ than
(number) (fewer/more/the same)

my partner.











I know I have _____ than my partner
(fewer/more/the same)

because ...

Name _____ Date _____

A Furry Feast

Use with Activity 1.

1 	2 	3 	4 	5 
6 	7 	8 	9 	10 

The top group has _____ and the bottom group
(number)
has _____.
(number)

The _____ group has _____ and I
(top/bottom) (more/fewer)

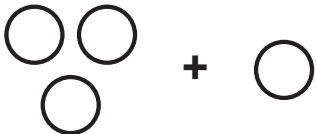
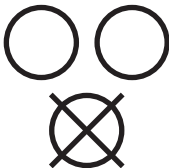
know because ...

I compared the groups by ...

Name _____ Date _____

Less, Same, More

Use with Problem 1.

Strategies	
 <p>counting on</p>	 <p>counting back</p>

I drew _____ dots.
(number)

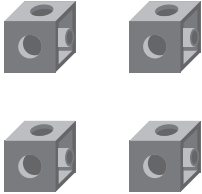

_____ is _____
(number) (less than/more than/the same as) (number)

The strategy I used to know it was _____ was ...
(less/more/the same)

Name _____ Date _____

Which Bag Is Which?

Use with Problem 1.

 <p>picture of object</p>	 <p>represent object</p>	<p>4</p> <p>symbol</p>
--	--	------------------------



I represented the number of objects by ...

This symbol helps me remember how many by ...

Name _____ Date _____

Different Groups, Same Number

Use with Problem 2.

 <p>circle card</p>	 <p>image card</p>
--	--

The cards are _____ because ...
(the same/different)

I know this card goes here because ...

Name _____ Date _____











Show That Number

Use with Problem 2.

I notice there are _____ objects in the group.
(*number*)

I wonder if all the groups have ...

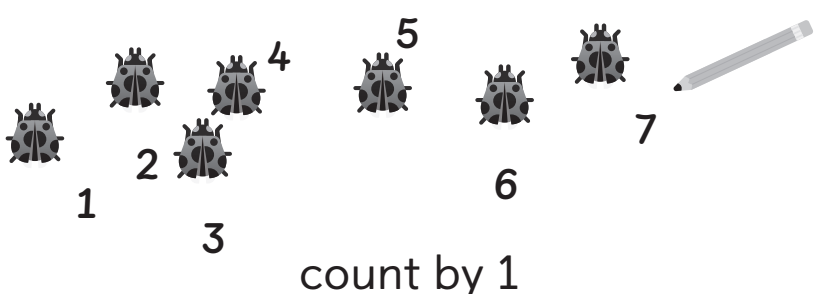
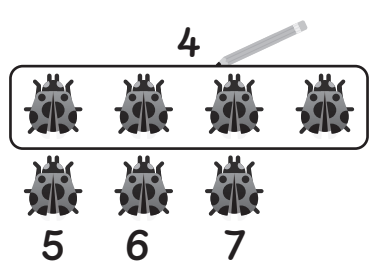
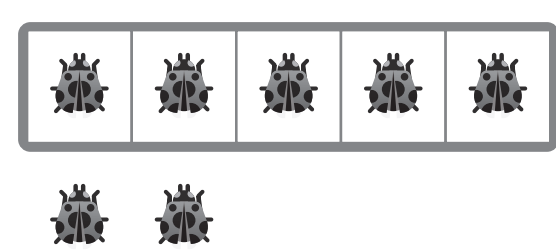
The groups are _____ because ...
(*the same/different*)

1 	2 	3 	4 	5 
6 	7 	8 	9 	10 

Name _____ Date _____

Math Libs

Use with Problem 2.

Strategies	
 <p>count by 1</p>	
 <p>break into parts</p>	 <p>use a 5-frame</p>

I will draw _____ objects.
(number)

I used the _____ strategy to count.
(strategy name)

Name _____ Date _____

Math Stories, How Many?

Use with Activity 2.

I see _____ .
(number) (objects)

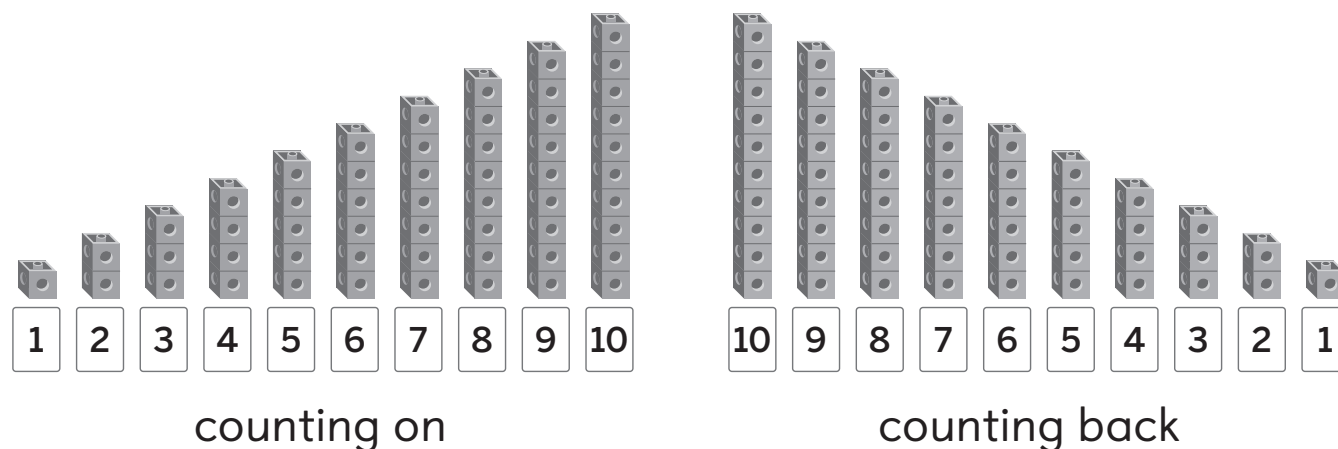
How many _____ do you see?
(objects)

Objects	
 bird	 boat
 bucket	 car
 dog	 door
 house	 people
 sun	 towel
 tree	 umbrella

Name _____ Date _____

Organizing Cooking Tools

Use with Problem 2.



I organized my tools by _____.
(counting on/counting back)

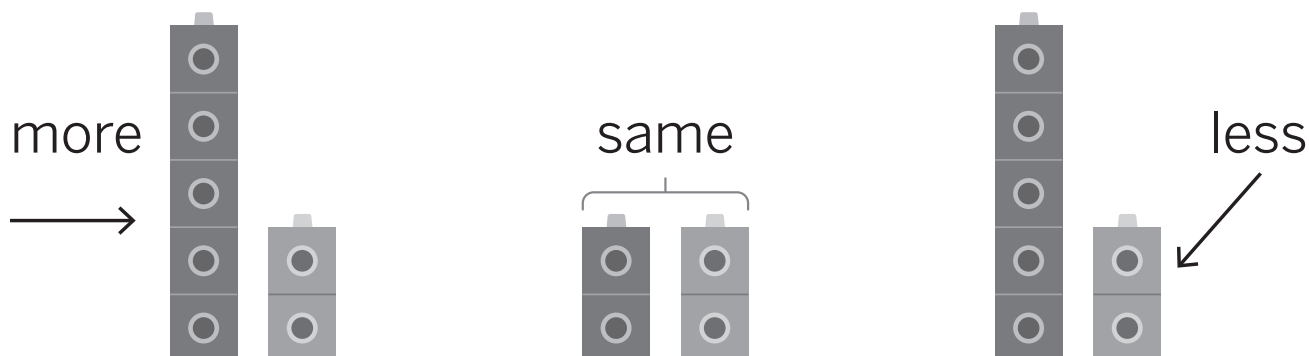
First I organized the _____ and then the _____.
(cards/towers) (cards/towers)



Name _____ Date _____

Comparing Game

Use with Problem 2.



1 less than _____ is _____.
(number) (number)

1 more than _____ is _____.
(number) (number)

I know because . . .

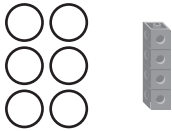




Counting helped me because . . .

Name _____ Date _____

Gallery Tour: Different Representations

Use with Problem 2.

 <p>compare objects to drawings</p>	 <p>4</p> <p>compare objects to numbers</p>	<p>6 4</p> <p>count to compare numbers</p>	 <p>explain your own way</p>
--	--	---	---

_____ is less than _____.
(number) (number)

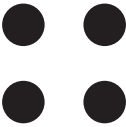
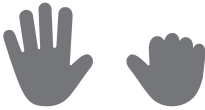


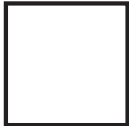


_____ is more than _____.
(number) (number)

I know because . . .

Name _____ Date _____

Less, Same, More

Use with Problem 1.

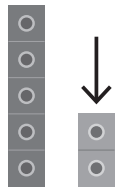
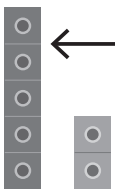
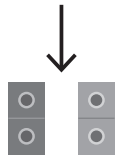
Image Cards			
 dots	 fingers	 hearts	 smiley faces
 squares	 suns	 triangles	

_____ is less than _____.

_____ is the same as _____.

_____ is more than _____.

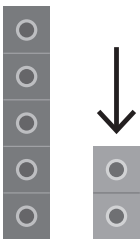
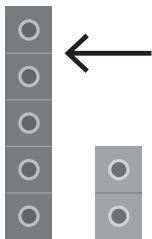
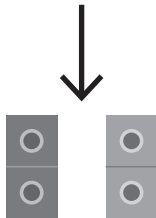



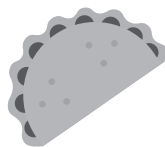
The top card
has _____
(number) (images)











Word bank		
English	Español	Example Ejemplo
less	menos	
more	más	
same	mismo	

Name _____ Date _____

Which Number Is More?

Use with Problems 1–2.

 <p>less</p>	 <p>more</p>	 <p>same</p>	
 <p>juice box</p>	 <p>milk carton</p>	 <p>sandwich</p>	 <p>taco</p>

1	2	3	4	5	6	7	8	9	10
									
one	two	three	four	five	six	seven	eight	nine	ten

There are more _____ than _____ because ...

_____ is more than _____.






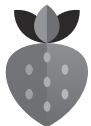
_____ is less than _____.

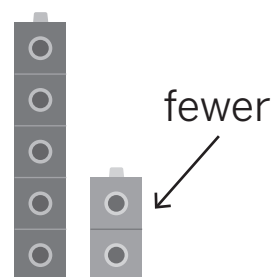
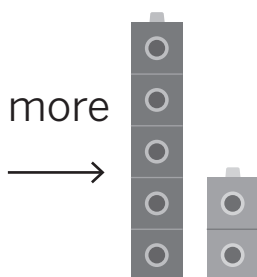
_____ is the same as _____.

Name _____ Date _____

Smoothie Celebration

Use with Problem 3.

Ingredients					
					
banana	blueberry	kiwi	mango	pineapple	strawberry



_____ is more than _____.

_____ is less than _____.

_____ is the same as _____.

I used _____
(number) (ingredient)

My partner used _____
(number) (ingredient)

I used more _____
(ingredient) than my partner.

My partner used more _____
(ingredient) than I did.

Name _____ Date _____

Ways to be a Mathematician

Formas de ser matemático/ matemática

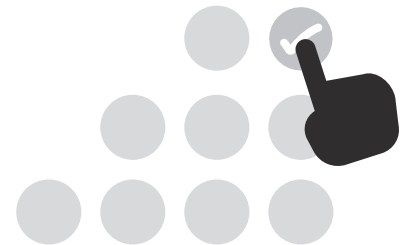
- 1 I can take my time to think about a challenging problem and come up with a plan before trying to solve it.

Puedo tomarme mi tiempo para pensar en un problema difícil y elaborar un plan antes de intentar resolverlo.



- 2 I can see how ideas are connected and use patterns to help solve problems.

Puedo ver cómo se conectan las ideas y utilizar patrones para resolver problemas.



Name _____ Date _____

Questions and Sentence Frames

Why did you choose this statement?

Did you choose any others? Why or why not?

How did you use this thinking during the Activity?

Can you tell me more?

I chose this statement because . . .

I also chose _____ because . . .







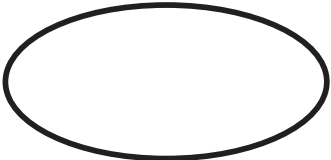

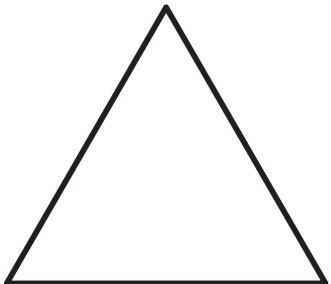


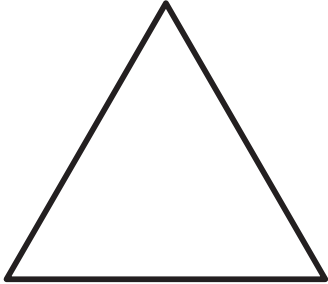
In the Activity, I . . .

Name _____ Date _____

Mystery Shape

Use with Problem 2.




Is your shape . . .

	Yes 	No 
colored?		
pointy?		
round?		
big?		
small?		

Name _____ Date _____

Shapes on a House


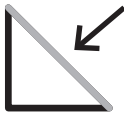

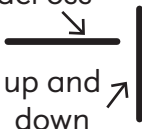
Use with Problem 5.

Parts of the house		
		
door	roof	window

The shape has _____ lines.
(description / number)

The shape matches the _____ on the house.
(part of the house)

The shapes match because they both have ...

Word bank				
Example Ejemplo				
English	curved	slanted	squiggly	straight
Español	curvado	inclinado	ondulado	recta

Name _____ Date _____

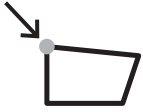




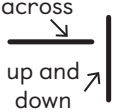
Alike and Different

Use with Problem 2.

My shape has _____ corners and _____ sides.
(number) (number)

They are the same because they both have . . .

They are different because . . .

Word bank						
Example Ejemplo						
English	corner	curved	side	slanted	squiggly	straight
Español	esquina	curvado	lado	inclinado	ondulado	recta

Name _____ Date _____

Sorting Shapes

Use with Problem 1.

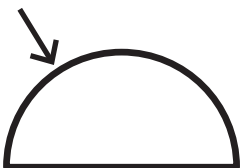


The shape has _____ sides.
(number)

The shape has _____ vertices.
(number)

The shape _____ have curves.
(does/does not)

The shape is sorted into this group because ...

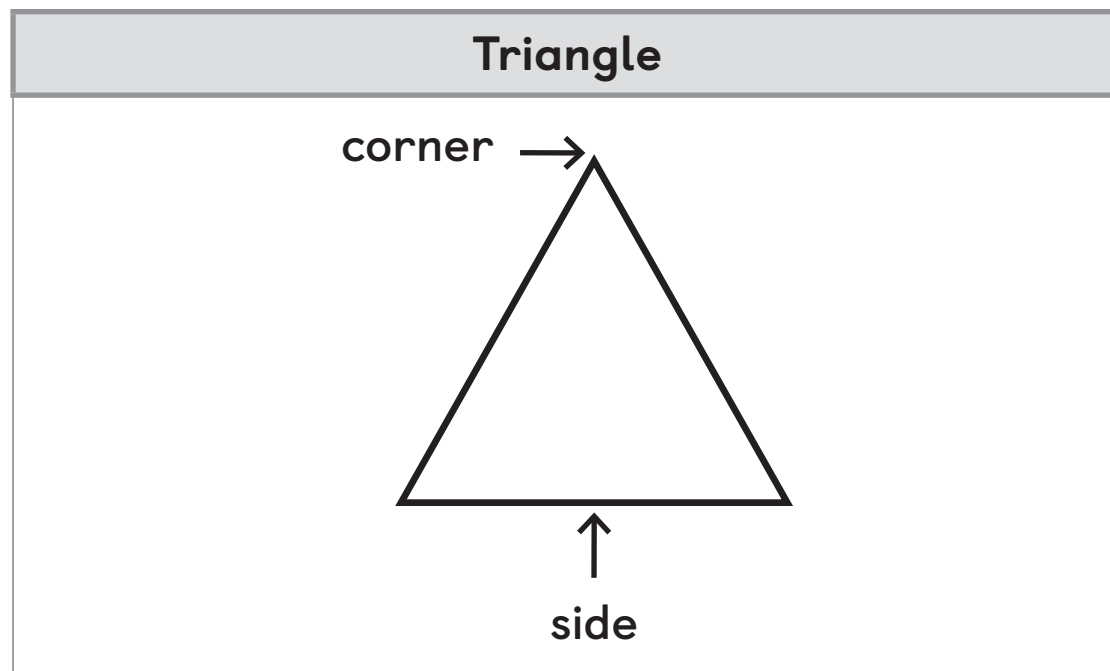
The shape is *not* sorted into this group because ...

Word bank			
			
English	curved	side	vertex
Español	curvo	lado	vértice

Name _____ Date _____

Sorting Triangles

Use with Problem 2.



The shape has _____ sides.
(number)

The shape has _____ corners.
(number)

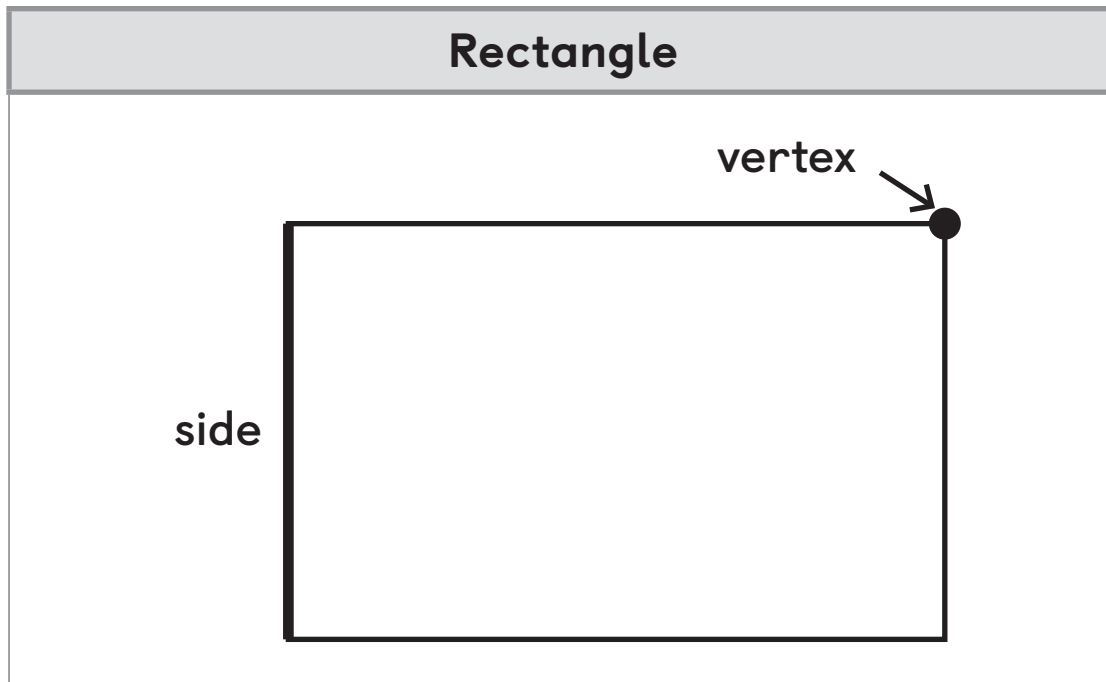
The shape _____ a triangle because ...
(is / is not)

I sorted the shape here because ...

Name _____ Date _____

Sorting Rectangles

Use with Problem 1.



The shape has _____ sides.
(number)

The shape has _____ vertices.
(number)




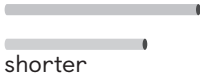
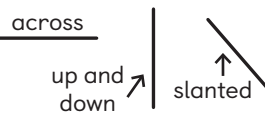
The shape _____ a rectangle because ...
(is / is not)

I sorted the shape here because ...

Name _____ Date _____

Comparing Lengths of Rectangles

Use with Problem 2.

Word bank					
Example Ejemplo					
English	corner	longer	side	shorter	straight line
Español	esquina	más largo	lado	más corto	línea recta

The shape has _____ sides.
(describing words)

I can describe my shape as . . .

Name _____ Date _____

Sorting, Sorting, Sorting

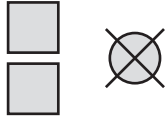
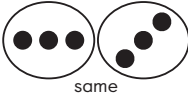

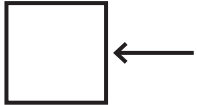
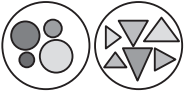
Use with Activity 1.

I notice . . .

I sorted my shape into this group because . . .

I did not sort my shape into this group because . . .

My shape belongs because . . .

Word bank					
Examples Ejemplos					
English	curved	corner	shape	side	sort
Español	curvado	esquina	figuras	lado	clasificar

Name _____ Date _____

Can You Draw It?

Use with Activity 2.

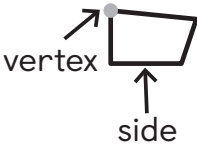
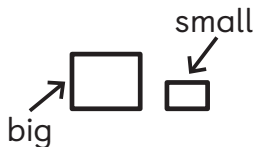
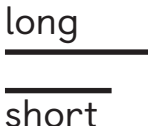
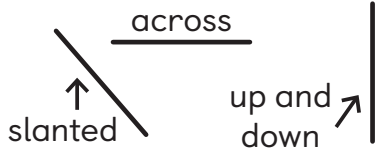
My shape has _____ sides.
(number)

My shape has _____ vertices.
(number)

My shape is _____.
(big/small)

The sides are _____.
(description)




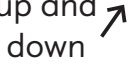


The shapes are _____ because ...
(the same/different)

Word bank				
Examples Ejemplos				
English	side	vertex	big	small
Español	lado	vértice	grande	pequeño
Examples Ejemplos				
English	long	short	straight	slanted
Español	largo	corto	derecho	inclinado

Name _____ Date _____

School Shape Search

Use with Problems 1–5.

Describing words				
		 		
curved	side	straight	slanted	vertex



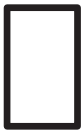


I found a ...

It is in the shape of a     .

It has _____ corners.
(number)

It has _____ sides.
(number)

The lines are _____.
(describing word)

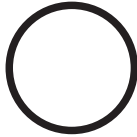
Shapes				
				
circle	hexagon	rectangle	square	triangle

Name _____ Date _____



Coin Posters

Use with Problem 1.



The coin is _____.
(shape)

Shape words	
	
circle	round





The color of the coin is _____.
(color)

Color words	
	
brown copper	silver

The coin is _____.
(size)

Size words	
	
big	small





I see _____ on the coin.
(picture)

Picture words			
			
building	face	head	words

Name _____ Date _____











Coin Sort

Use with Problem 1.

Coins			
			
penny	nickel	dime	quarter

I sorted my groups by .
(feature)




This coin is sorted into this group because . . .

Feature Words			
Color		Size	
		 big	 small
brown	copper	big	small
	silver		
Picture		Edge	
			
building	face	rough	smooth
			
head	words		

Name _____ Date _____

Mix and Mingle: Coin Card

Use with Problem 2.











Coins			
			
penny	nickel	dime	quarter

My coin is a _____.

(coin name)

I know this coin is a _____ because ...

(coin name)

Feature Words					
Color			Size		
					
brown	copper	silver	big	small	
Picture					
					
bird	building	face	flowers	head	words

Name _____ Date _____













Card Sort: Wants and Needs

Use with Problems 5–6.

This is a _____.
(want/need)

I know it is a _____ because ...
(want/need)

Word bank	
English	Español
need	necesidad
want	deseo

Wants and Needs Cards			
			
bicycle	bread	corn	dog
			
flowers	fruits and vegetables	guitar	house
			
milk	paint	shirt	water

Name _____ Date _____

Is This A Gift?

Use with Problems 2–6.



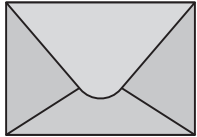


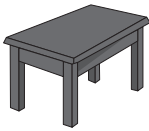


In the story . . .

The money received in the story
is _____.
(*income/a gift*)

I know it is _____ because . . .
(*income/a gift*)

Word bank

English	Español
income	ingresos
gift	regalo

Problem 2		Problem 3	
			
lemonade	lemonade stand	envelope	
Problem 4		Problem 5	
			
lifeguard		dog	table
Problem 6			
			
card		colored pencils	

Name _____ Date _____

Job Skills

Use with Problems 2–3.

A job in our community is . . .

In this job, they have to _____.
(*skill*)

Word bank	
English	Español
job	trabajo
skills	habilidades

Name _____ Date _____

Ways to be a Mathematician

Formas de ser matemático/ matemática

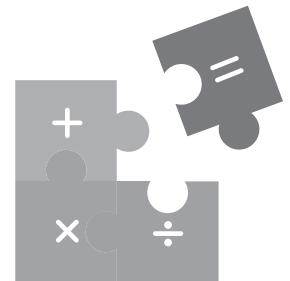
- 1** I can take my time to think about a challenging problem and come up with a plan before trying to solve it.

Puedo tomarme mi tiempo para pensar en un problema difícil y elaborar un plan antes de intentar resolverlo.



- 2** I can use math to help solve real-world problems.

Puedo usar las matemáticas para ayudar a resolver problemas del mundo real.



Name _____ Date _____

Questions and Sentence Frames

Why did you choose this statement?

Did you choose any others? Why or why not?

How did you use this thinking during the Activity?

Can you tell me more?

I chose this statement because . . .

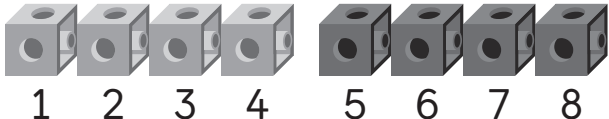
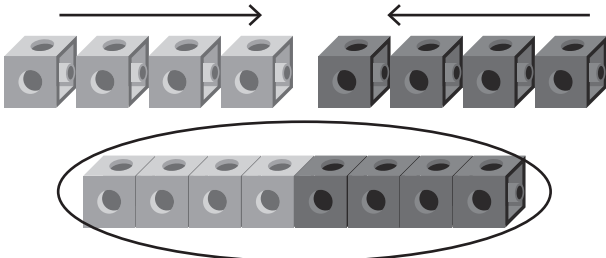
I also chose _____ because . . .

In the Activity, I . . .

Name _____ Date _____

Putting Groups Together

Use with Problems 2–5.

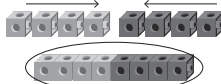



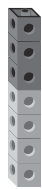
Strategies	
 <p>count all</p>	 <p>put together</p>

I have _____ cubes.

My partner has _____ cubes.

We have _____ cubes altogether.





I know we have _____ cubes because ...

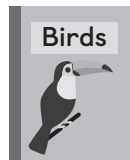
Word bank		
English	Español	Example
altogether	en total	
cube	cubo	
group	grupo	
total	total	
tower	torre	

Name _____ Date _____

How Many Books?

Use with Problems 1–4.

			
bird book	dog book	librarian	library



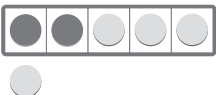
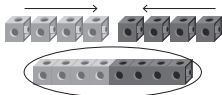


There are _____ bird books.



There are _____ dog books.

There are _____ books altogether.




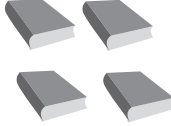
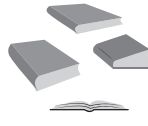
I know the total is _____ because ...

Word bank				
English	5-frame	altogether	count all	count on
Español	5 marcos	en total	contar todo	contar hacia adelante
Example				

Name _____ Date _____

What's the Total?

Use with Problems 1–4.

				
bin	book	librarian	organized	unorganized

The groups are . . .

I found the total by . . .

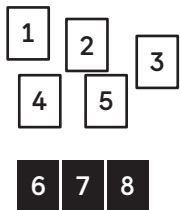
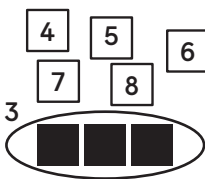
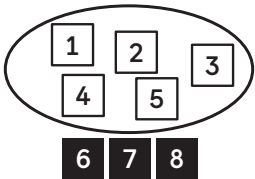
My partner found the total by . . .

It was the _____ .
(same/different)

The order _____ matter
(does/does not)

when finding the total because . . .

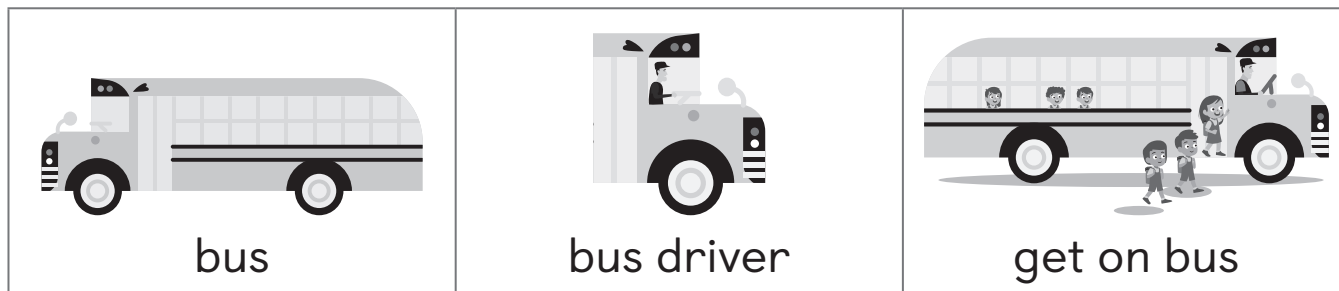
Word bank	
English	Español
count	contar
figure out	resolver
group	grupo
total	total

Counting		
 <p>count all</p>	 <p>organized first</p>	 <p>unorganized first</p>

Name _____ Date _____

Adding Counters

Use with Problems 1-4.





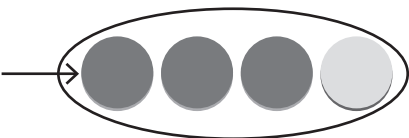
I have _____ counters.

I add _____ more counters.

There are _____ counters total.

Adding counters means . . .

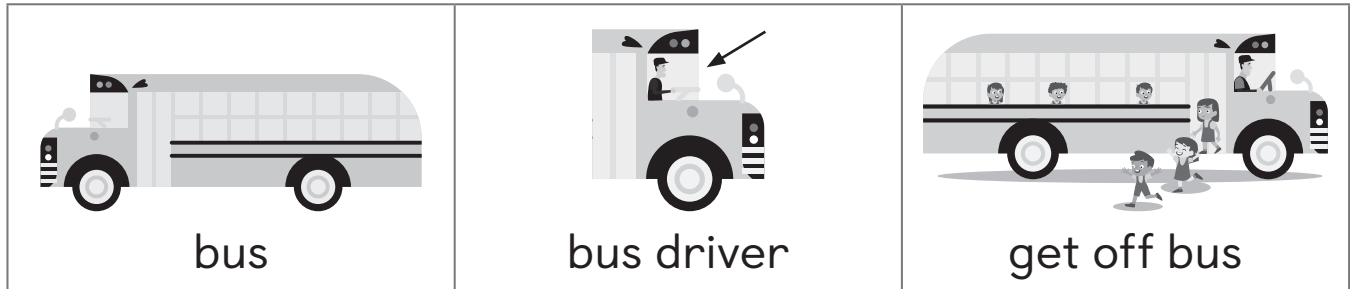
Word bank	
English	Español
add	sumar
count	contar
counters	fichas
group	grupo
total	total

Strategies		
 3 count 3	 3 1 add 1	 4 in total find total

Name _____ Date _____

Subtracting Counters

Use with Problems 1-4.






I have _____ counters.

I took away _____ counter(s).

There is/are _____ counter(s) left.

Subtracting counters means . . .

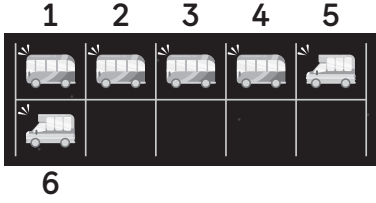
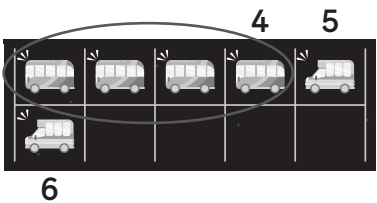
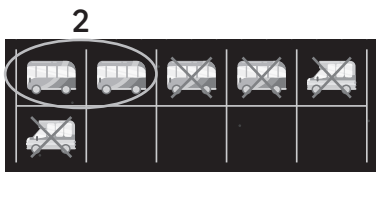
Word bank	
English	Español
count	contar
counters	fichas
left	izquierda
subtract	sustraer
take away	quitar

Strategies		
 <p>3</p> <p>count 3</p>	 <p>take away 1</p>	 <p>2</p> <p>How many are left?</p>

Name _____ Date _____

Adding Buses

Use with Activities 1 and 2.

Strategies		
 <p>count all</p>	 <p>count on</p>	 <p>take away</p>

Word bank			
English	add	subtract	total
Español	sumar	sustraer	total

There are _____ buses.

I know because _____ and _____ is _____.

I found the total by ...

Adding means ...

There are _____ buses left.

I know because _____ take away _____ is _____.

Subtracting means ...

Name _____ Date _____

What Is Happening?

Use with Problem 1.

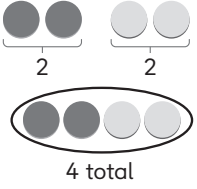
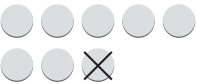
				
bag	can	grocer	group	pick up

I see _____ in the picture.

The cans could be . . .

There are _____ cans.

Adding means . . .

Word bank		
English	Español	Example
add	sumar	
subtract	sustraer	





Story problem
There are _____ cans in the bag.
Then the grocer . . .
Now there are _____ cans in the bag.

Name _____ Date _____

What Happens Next?

Use with Problems 4–7.

Word bank						
English	add to	finish	next	story	subtract	take from
Español	añadir	terminar	siguiente	historia	sustraer	quitar

Grocery store stories			
			
4. There were 8 customers waiting in line at the grocery store.	5. There were 7 boxes of oatmeal on the shelf.	6. There were 2 pumpkins on the produce stand.	7. There were 4 shopping carts outside the grocery store.

I can use _____ counters to show . . .





Next, I can _____ shopping carts.



I can use my counters to show . . .

Name _____ Date _____

Asking Math Questions

Use with Problems 1–2.

Word bank					
Example			?		
English	box of cereal	can of corn	question	shelf	shopping cart
Español	caja de cereal	lata de maíz	pregunta	estante	carrito de compras

Math stories	
	
<p>1. There were 10 boxes of cereal on the shelf. A person took 4 boxes of cereal from the shelf to buy them.</p>	<p>2. A customer put 6 cans of corn in the cart. Then the customer put 2 more cans of corn in the cart.</p>

How many _____ do they have?




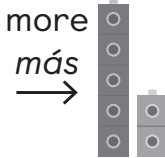

How many _____ are ... ?

How many _____ are left?

Name _____ Date _____

The Mail Carrier (Part 1)

Use with Problems 1 and 2.

Word bank					
Example		 fewer menos		 more más	 I think ...
English	envelope	fewer/ less	mail carrier	more	predict
Español	sobre	menos	cartero	más	predecir



I predict there will be _____ envelopes.
(more/fewer)



I predict there will be _____ because ...

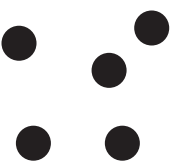

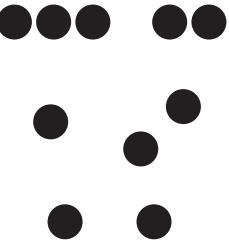
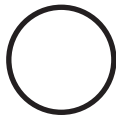
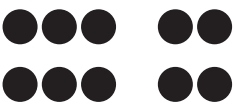


My prediction was _____ because ...
(right/wrong)

Name _____ Date _____

Story Problem Drawings

Use with Problem 2.

Story problem drawings examples				
 <p>1 group (unorganized)</p>	 <p>2 groups (organized)</p>	 <p>different</p>	 <p>circle</p>	 <p>same</p>

There are _____ in the story problem.



Priya used _____ to show envelopes.



Shawn used _____ to show envelopes.





The drawings are the same because ...

The drawings are different because ...

Name _____ Date _____

Trash Collection Day

Use with Problem 2.

Word bank				
Example				 0 left
English	bag	dumpster	sanitation worker	zero
Español	bolsa	contenedor de basura	trabajador de saneamiento	cero

There are _____ in the story problem.



I can draw _____ to show the trash bags.

My drawing shows that . . .

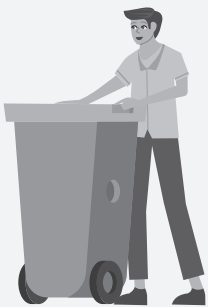









There are _____ bags left in the dumpster.

Name _____ Date _____

Creating Our Story Problems

Use with Problems 1 and 2.

 <p>Sanitation worker story problem words</p>			
	bag	dumpster	recycling
	bolsa	contenedor de basura	reciclaje
 <p>Mail carrier story problem words</p>			
	boxes	envelope	letters
	cajas	sobre	cartas

My story problem is about . . .  or 

My story problem starts with . . .

Then . . .

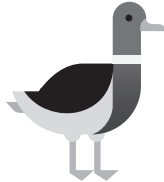

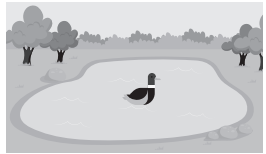
How many . . .

My drawing shows that . . .

Name _____ Date _____

Ducks in a Pond

Use with Problem 1.

Word bank			
Example			
English	duck	pond	swim
Español	pato	estanque	nadar



There are _____ ducks in the story problem.



Then _____ ducks ...

My drawing shows that ...

_____ and _____ is _____.



There are _____ ducks in the pond.

Name _____ Date _____

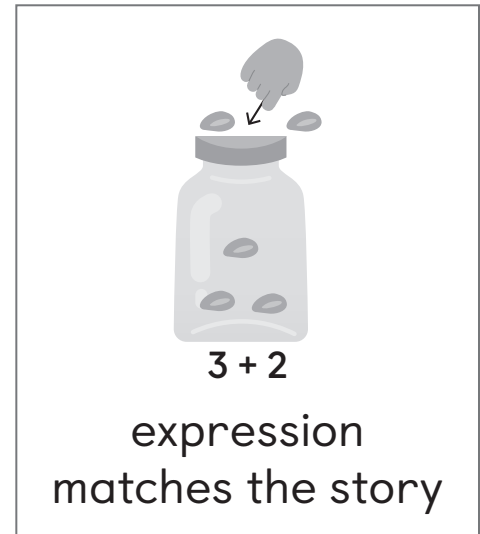
Which Expression?

Use with Problems 3–6.

expressions

$6 - 4$
↑
minus sign

$3 + 2$
↑
plus sign



The story problem is asking . . .

The expressions . . .

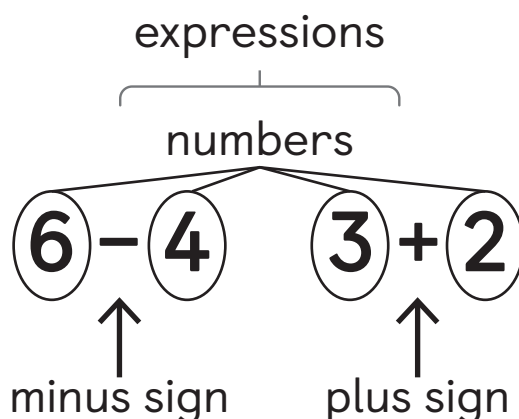
The expression _____ matches the story problem.

I know this expression matches because . . .

Name _____ Date _____

Matching Drawings With Expressions

Use with Activities 1 and 2.



The drawing shows . . .

there are _____ red circles.

there are _____ yellow circles.

_____  circles are crossed out.

The expression shows . . .

It is a(n) _____ expression.
(addition/subtraction)

_____ matches the drawing because . . .

Name _____ Date _____

Finding the Value

Use with Problems 1–6.

<div style="text-align: center;"> <div style="display: flex; justify-content: space-around;"> <div>_____</div> <div>_____</div> </div> <div style="display: flex; justify-content: space-around;"> <div>_____</div> <div>_____</div> </div> <div style="display: flex; justify-content: space-around;"> <div>_____</div> <div>_____</div> </div> <div style="text-align: center;">+</div> <div style="text-align: center;">↑</div> </div>	<div style="text-align: center;"> <div>_____</div> <div>_____</div> <div>_____</div> <div>_____</div> <div style="text-align: center;">↑</div> </div>
sign	value

Word bank	
English	Español
minus sign	signo de menos
number	número
plus sign	signo de más
value	valor

The expression . . .

The numbers are _____ and _____.

It is a(n) _____ expression.
(addition/subtraction)

I can _____ to find the value.

I used _____ to show my thinking.

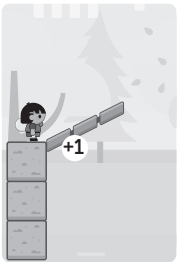
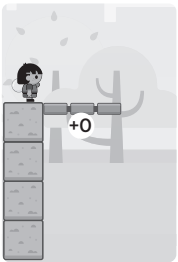
The value is _____ .

Name _____ Date _____

Adding 0 and 1

Use with Activities 1 and 2.

+ 1	+ 0	1, 2, 3	3 + 0	- 1	- 0
add 1	add 0	count	expression	subtract 1	subtract 0

	<p>When I <u>add 1</u>, ...</p> <p>I notice Casey ...</p> <p>I noticed the number ...</p>
	<p>When I <u>add 0</u> ...</p> <p>I notice Casey ...</p> <p>I notice the number ...</p>

I wonder what happens if I ...

Name _____ Date _____

Choose Your Expression

Use with Activities 1 and 2.

Expression

Value



Story problem

In the beginning, there were . . .

Then . . .

(+) more came

(-) went away

How many _____ are there?

Name _____ Date _____

Ways to be a Mathematician

Formas de ser matemático/ matemática

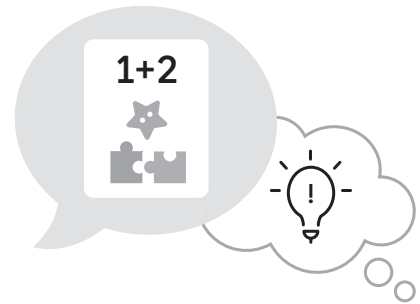
- 1 I can take my time to think about a challenging problem and come up with a plan before trying to solve it.

Puedo tomarme mi tiempo para pensar sobre un problema difícil y elaborar un plan antes de intentar resolverlo.



- 2 I can share my mathematical ideas clearly and in more than one way.

Puedo compartir mis ideas matemáticas con claridad y de más de una manera.



Name _____ Date _____

Questions and Sentence Frames

Why did you choose this statement?

Did you choose any others? Why or why not?

How did you use this thinking during the Activity?

Can you tell me more?

I chose this statement because . . .

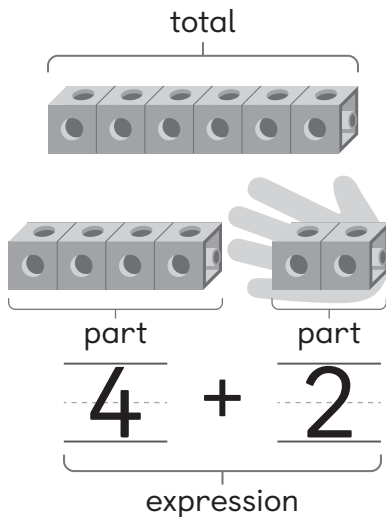
I also chose _____ because . . .

In the Activity, I . . .

Name _____ Date _____

6 Connecting Cubes

Use with Problems 3–4.



Word bank		
English	Español	Example
add	sumar	
break apart	descomponer	
cube	cubo	
tower	torre	

I broke my tower into _____ and _____ cubes.

The expression is . . .

The total _____ change when you break it apart.
(does/does not)

I _____ break it up in another way.


_____ and _____ cubes.





Name _____ Date _____

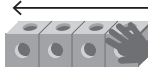
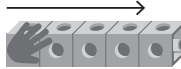


More Than 1 Way

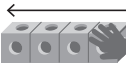
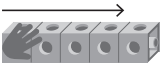
Use with Problems 3–4.

total

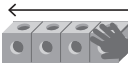
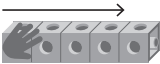


one way	another way
  $3 + 4$	  $2 + 5$


Word bank		
English	Español	Example
break apart	descomponer	 
part	parte	 

I can use _____ to break apart the number by ...
(*math tool*)

I can break apart the number by ...




Another way to break apart the number is ...

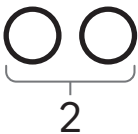
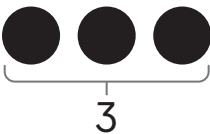
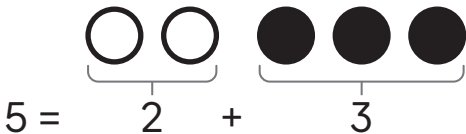
The expression is ...

The total _____ change because ...
(*does/does not*)

Name _____ Date _____

Matching Drawings With Number Sentences

Use with Problem 3.

Drawings		
 unshaded circles	 shaded circles	 number sentence

The drawing shows . . .



 _____ shaded circles and _____ unshaded circles.

The number sentence shows . . .



 _____ and _____ circles in each group.



 There are _____ total circles.

_____ matches the drawing because . . .
(number sentence)

Name _____ Date _____

Ollie's Friends

Use with Activity 2.

Word bank					
English	add	number sentence	expression	pattern	total
Español	sumar	enunciado numérico	expresión	patrón	total

<div> $1 + 4 = 5$ $2 + 3 = 5$ $3 + 2 = 5$ $4 + 1 = 5$ </div> <p>making 5</p>	<div> $1 + 7$ $2 + 6$ $3 + 5$ $4 + 4$ $5 + 3$ $6 + 2$ $7 + 1$ </div> <p>making 8</p>	<div> $1 + 8 = 9$ $2 + 7 = 9$ $3 + 6 = 9$ $4 + 5 = 9$ $5 + 4 = 9$ $6 + 3 = 9$ $7 + 2 = 9$ $8 + 1 = 9$ </div> <p>making 9</p>
--	---	--

I can start to break apart the number by ...

The patterns I notice are ...

I can _____ to the **first** part.

I can _____ from the **second** part.

The patterns are the same because ...

The first number gets _____, and the second number gets _____.

Name _____ Date _____

Pawprint Clues

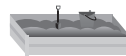
Use with Problem 2.



The class found 8 pawprints on the playground.



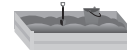
Some of the pawprints were in the garden



and some were in the sandbox.



I can _____ to show pawprints in the garden.



I can _____ to show pawprints in the sandbox.

My drawing matches the story because ...


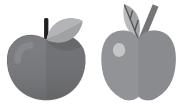

_____ matches the story because ...
(number sentence)

Word bank	
Example	$5 = 3 + 2$
English	number sentence
Español	enunciado numérico



Name _____ Date _____

Harry's Sweet Treats




Use with Problem 1.

Harry the Hamster found 6 apples in the cafeteria.

Some were red and some were yellow.

Solutions		
 $6 = 4 + 2$	 $6 = 3 + 3$	 $6 = 5 + 1$

I notice the different answers . . .

They match the story problem because . . .





A story problem can have different answers because . . .

Word bank	
Example	$5 = 3 + 2$
English	number sentence
Español	enunciado numérico



Name _____ Date _____

Gathering Grapes

Use with Problem 3.

Harry the Hamster spilled 7 grapes by the librarian's desk.

Some grapes were green and some were purple.

I can show the story problem by . . .

I can show the different answers by . . .

_____  green grapes and _____  purple grapes.

I notice the different answers . . .

The pattern I notice is . . .

Word bank	
Example	$5 = 3 + 2$
English	number sentence
Español	enunciado numérico

Name _____ Date _____

Comparing Story Problems

Use with Problems 5–6.

Problem 5



Harry spilled 6 bottles of paint.



Some were blue.



The rest were red.

Problem 6



Harry spilled some bottles of paint in the supply closet.

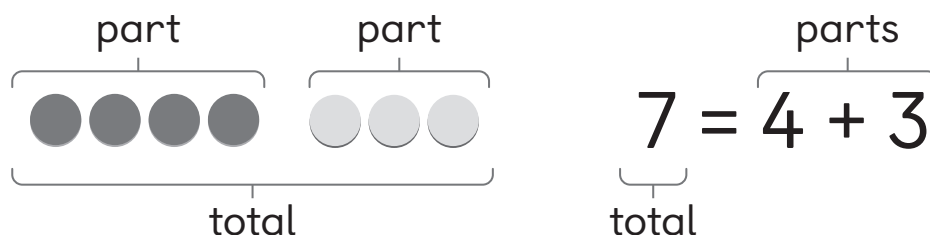


4 bottles of paint were blue and 2 bottles were red.

Name _____ Date _____

Comparing Story Problems

(continued)



We _____ the parts in Problem _____.
(know/don't know) *(4/5)*


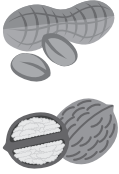



We _____ the total in Problem _____.
(know/don't know) *(4/5)*

Problem _____ has _____ answer(s) because ...
(4 or 5) *(one/more than 1)*

Name _____ Date _____

All the Story Problems

Use with Problem 1.

Word bank					
Example					
English	hamster	nut	peanut	shell	walnut
Español	hámster	nuez	maní	cáscara de nuez	nuez de nogal

I notice the story problem . . .

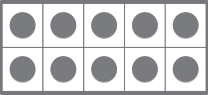
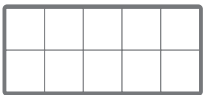


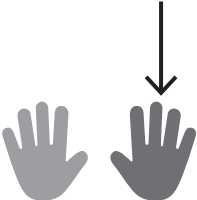

I notice the drawing and number sentence . . .

Story problem _____ matches _____ because . . .
(A/B/C/D) (number sentence)

Name _____ Date _____

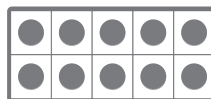
Numbers on Fingers and 10-Frames

Use with Problems 5–9.

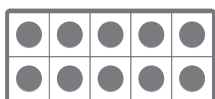
10-frames and fingers					
	→ 	→ 			
10-frame	top row	bottom row	left hand	right hand	fingers



The picture shows _____ fingers.



I can show the number in the 10-frame by ...




Fingers and 10-frames are similar because ...

Name _____ Date _____

Showing Number Sentences With Fingers

Use with Problems 3–7.

Word bank				
Example	$10 = 6 + 4$		$10 = 6 + 4$ ↑ ↑	$10 = 6 + 4$ ↑
English	number sentence	fingers	part	total
Español	enunciado numérico	dedos	parte	total

The number sentences show . . .



I can use fingers to show the number sentence by . . .



The fingers match the number sentences because . . .

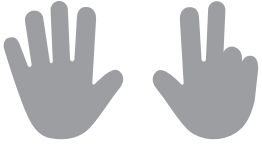
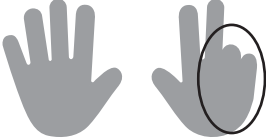
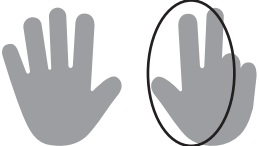


Fingers help us show parts of 10 because . . .

Name _____ Date _____

Math Fingers

Use with Activity 2.

Strategies		
 <p>8... <u>9</u>, <u>10</u></p> <p>count up to 10</p>	 <p>2</p> <p>count fingers that are down</p>	 <p>$3 + 2 = 5$</p> <p>count up on one hand</p>



I can use fingers to show the number by ...



My partner is holding up _____ fingers.



We need _____ fingers to make 10.



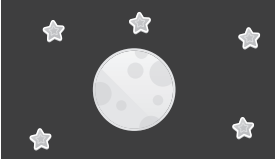
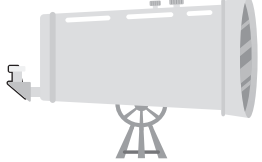
The number sentence is $10 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$.

Name _____ Date _____

Telescope Time!

Use with Activity 1.

Word bank				
English	number sentence	part	pattern	total
Español	enunciado numérico	parte	patrón	total

			
Harry	planet	space	telescope

The number sentences are _____ because . . .
(the same/different)

The pattern I notice is . . .

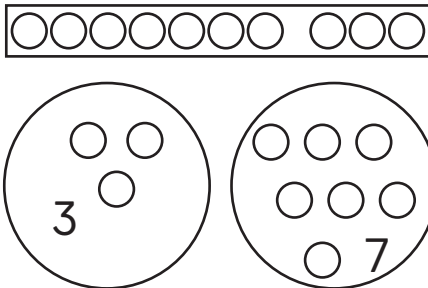
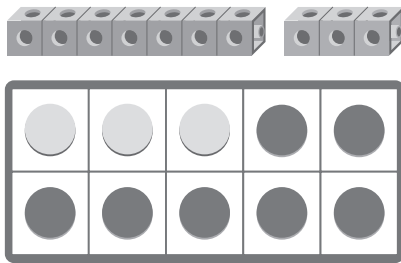
1 part gets _____, the other part gets _____.
(larger/smaller) *(larger/smaller)*

Name _____ Date _____

Gallery Tour: Ways to Make 10

Use with Problem 2.

Word bank				
English	number sentence	order	part	total
Español	enunciado numérico	orden	parte	total

Ways to show 10		
$7 + 3 = 10$ $3 + 7 = 10$ number sentence	 drawings	 math tools

They made 10 by ...

They showed it by ...

The ways are _____ because ...
(the same/different)

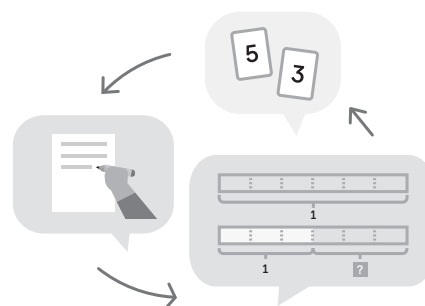
Name _____ Date _____

Ways to be a Mathematician

Formas de ser matemático/ matemática

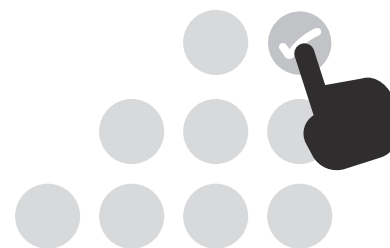
- 1** I can create representations to share and organize my mathematical ideas.

Puedo crear representaciones para compartir y organizar mis ideas matemáticas.



- 2** I can see how ideas are connected and use patterns to help solve problems.

Puedo ver cómo se conectan las ideas y utilizar patrones para ayudar a resolver problemas.



Name _____ Date _____

Questions and Sentence Frames

Why did you choose this statement?

Did you choose any others? Why or why not?

How did you use this thinking during the Activity?

Can you tell me more?

I chose this statement because . . .


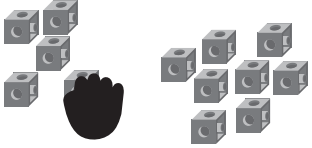
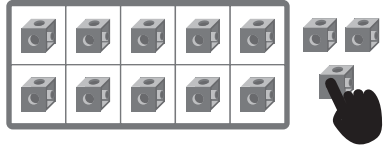
I also chose _____ because . . .

In the Activity, I . . .

Name _____ Date _____

Different Ways to Keep Track

Use with Problems 2.




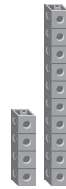






Strategies		
 <p>make a line</p>	 <p>move and count</p>	 <p>use a 10-frame</p>

I counted _____ cubes.
(number)

I kept track of counting the cubes by ...

I can also use _____ by ...
(strategy)

I made sure I counted each cube 1 time by ...

Teen numbers									
11  eleven	12  twelve	13  thirteen	14  fourteen	15  fifteen	16  sixteen	17  seventeen	18  eighteen	19  nineteen	20  twenty

Name _____ Date _____

Counting Carefully With Friends

Use with Activities 1 and 2.

Arranging groups of cubes		

There are _____ cubes altogether.

I used _____ to figure it out.
(strategy)

I think all the students can be right because . . .

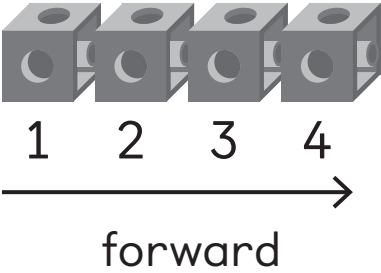
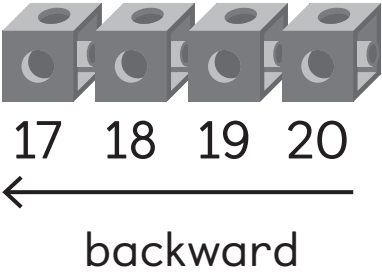
I do not think all the students can be right because . . .

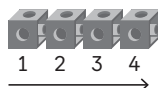
Teen numbers									
11	12	13	14	15	16	17	18	19	20
eleven	twelve	thirteen	fourteen	fifteen	sixteen	seventeen	eighteen	nineteen	twenty

Name _____ Date _____

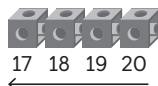
Counting Water Bottles

Use with Problem 1.

Counting cubes	
	

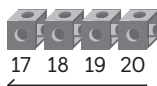
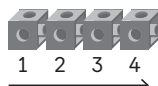


I started counting **forward** by ...

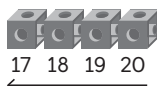
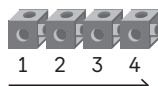


I started counting **backward** by ...

I notice. . .



Counting forward and backward are **the same** because ...

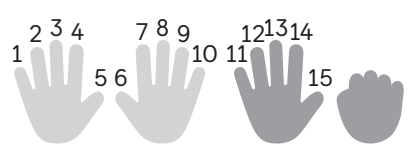
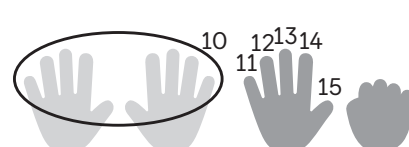
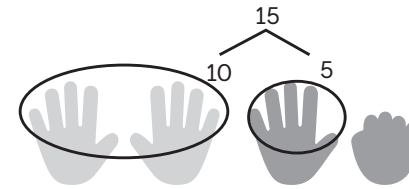


Counting forward and backward are **different** because. . .

Name _____ Date _____

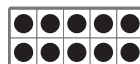
Fingers to 10-Frames

Use with Problems 2–5.

Strategies		
 <p>count each finger</p>	 <p>count on</p>	 <p>count by 5 or 10</p>

I see _____ on the hands.
(number)

I used _____ to count because ...
(strategy)



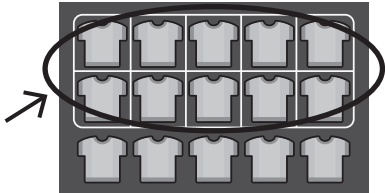
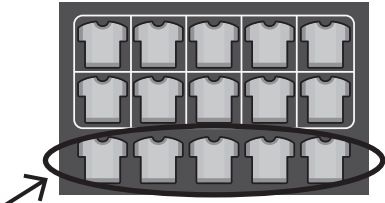
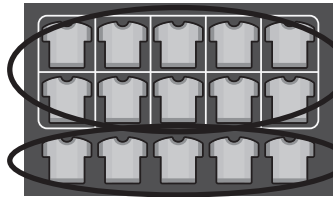
I showed the same number on the 10-frame by ...

I know this is the same number because ...

Name _____ Date _____

Matching the Ticket

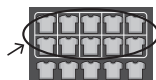
Use with Activity 2.

Showing teen numbers with 10-frames		
 <p>count inside the 10-frame</p>	 <p>count outside the 10-frame</p>	 <p>10 5</p> <p>15</p> <p>put them together</p>



There are _____ jerseys.

I can show the written number by putting ...



_____ inside the 10-frame.



_____ outside the 10-frame.

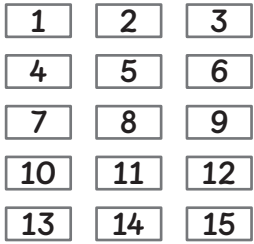
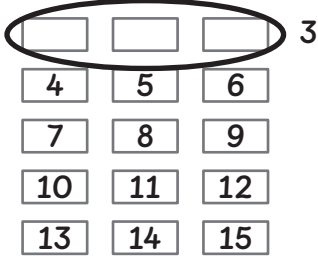
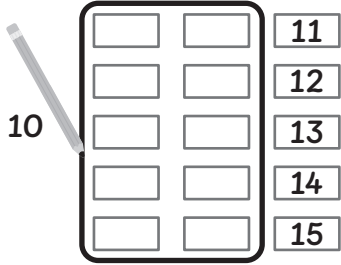
It shows _____ because ...
(written number)

I can show a teen number in a 10-frame by ...

Name _____ Date _____

Fans in the Stands

Use with Problems 5–8.

Strategies		
 <p>count each shape</p>	 <p>find a group and count on</p>	 <p>find 10 and count on</p>

There are _____ shapes.

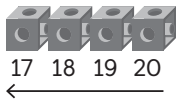
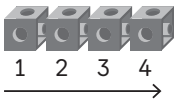
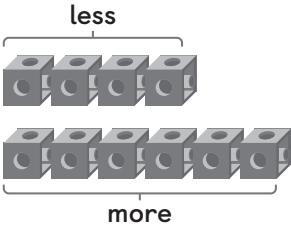
I found the number of shapes by ...

Another way I can find the number of shapes is ...

Name _____ Date _____

One More and One Less With Numbers

Use with Problems 7 and 8.

Word bank						
Example			(10), <u>11</u> , 12	10, <u>11</u> , (12)		
English	backward	forward	before	after	less	more
Español	hacia atrás	hacia delante	antes	después	menos	more

10, 11, (12)
_____ is 1 more than _____ because ...

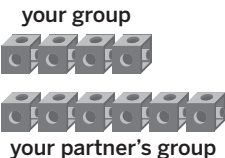
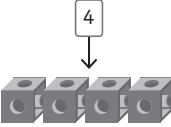
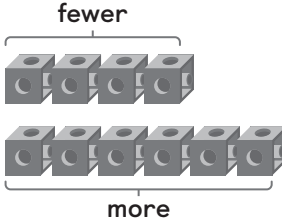
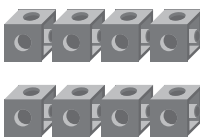
(10), 11, 12
_____ is 1 less than _____ because ...

The order helps you figure out 1 more or 1 less because ...

Name _____ Date _____

Create and Compare

Use with Activities 1 and 2.

Word bank					
Example					
English	compare	create	fewer	more	same
Español	comparar	crear	menos	más	mismo

I created my group by ...

My partner has _____.
(number)I have _____ objects than you.
(more, fewer, same)

We compared our groups by ...

Name _____ Date _____

Create More, Fewer, and Same

Use with Activities 1 and 2.

Word bank					
Example					
English	add	fewer	more	same	take away
Español	sumar	menos	más	mismo	quitar

I can show the same number by ...

I can show more objects by ...


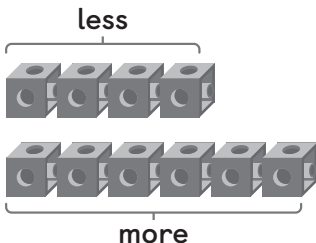
I can show fewer objects by ...

I figured out how to show _____ by ...
(more/fewer/same)

Name _____ Date _____

Different Ways to Keep Track

Use with Activities 1 and 2.

Word bank					
Example	10, <u>11</u> , <u>12</u>	<u>10</u> , <u>11</u> , 12			
English	after	before	count	less	more
Español	después	antes	contar	menos	más

I drew _____ and _____.

(number) (number)

I can compare the numbers by ...

_____ is **more** than _____ because ...

(number) (number)

_____ is **less** than _____ because ...

(number) (number)

Name _____ Date _____

Ordering Numbers

Use with Activity 1.



Word bank					
English	aloud	count	number	order	pattern
Español	en voz alta	contar	número	orden	patrón

I started with . . .

The next numbers are . . .

I put the teen numbers in order by . . .

The pattern I noticed is . . .

Ordering numbers strategies	
 <p>1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20</p> <p>counting aloud</p>	 <p>0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20</p> <p>I notice. . .</p> <p>look for a pattern</p>

Name _____ Date _____

Ways to be a Mathematician

Formas de ser matemático/ matemática

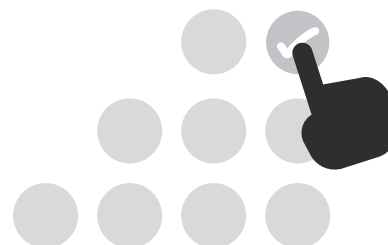
- 1** I can take my time to think about a challenging problem and come up with a plan before trying to solve it.

Puedo tomarme mi tiempo para pensar en un problema difícil y elaborar un plan antes de intentar resolverlo.



- 2** I can see how ideas are connected and use patterns to help solve problems.

Puedo ver cómo se conectan las ideas y utilizar patrones para resolver problemas.



Name _____ Date _____

Questions and Sentence Frames

Why did you choose this statement?

Did you choose any others? Why or why not?

How did you use this thinking during the Activity?

Can you tell me more?

I chose this statement because . . .

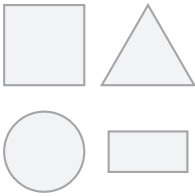
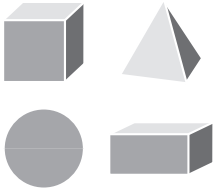
I also chose _____ because . . .

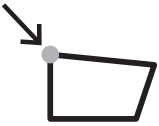

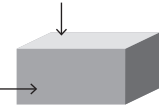
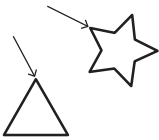
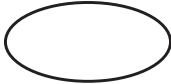
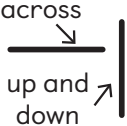

In the Activity, I . . .

Name _____ Date _____

Solid Shape Search

Use with Activities 1 and 2.

Word bank		
Example Ejemplo		
English	flat shape	solid shape
Español	figura plana	cuerpo geométrico

Describing solid shapes						
						
corner	curved	flat	pointy	round	straight	slanted



The solid shape . . .



The _____ matches my solid shape.
(object)

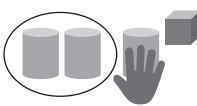
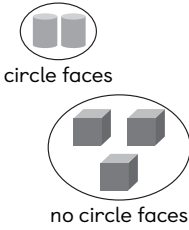
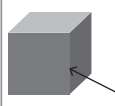
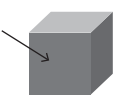
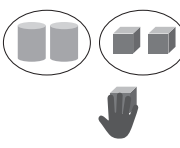
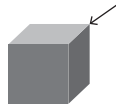


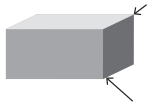

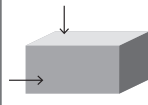
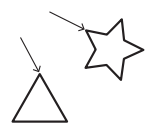

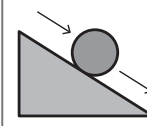
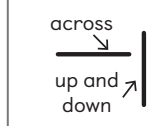

My object matches my solid shape because . . .

Name _____ Date _____

Sorting Solid Shapes

Use with Problem 3.

Word bank						
Example Ejemplo						
English	belong	category	edge	face	sort	vertices
Español	pertenecer	categoría	lado	cara	clasificar	vértices

Describing Solid Shapes							
							
corner	curved	flat	pointy	round	roll	straight	slanted



This shape belongs in the group that can roll because ...



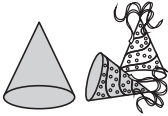
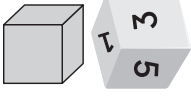

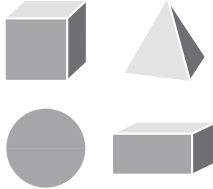

This shape belongs in the group that can't roll because ...

The shapes in the group are similar because ...

Name _____ Date _____

Finding Solid Shapes

Use with Problem 2.

Word bank					
Example Ejemplo					
English	cone	cube	cylinder	solid shape	sphere
Español	cono	cubo	cilindro	cuerpo geométrico	esfera

The shape looks like a _____.



I can find this shape . . .

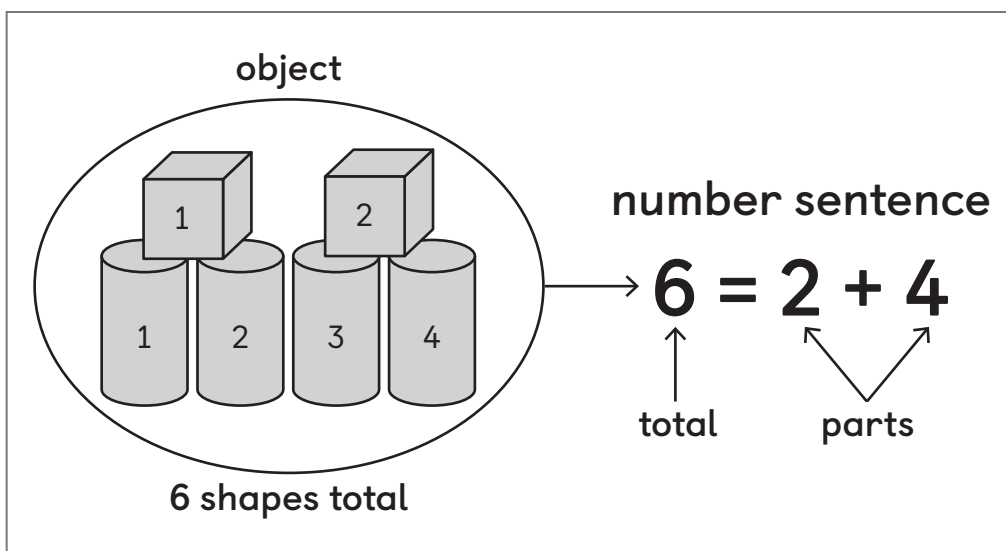
We can call this shape a _____.



Name _____ Date _____

Matching Number Sentences With Objects

Use with Problem 1.



I notice the number sentence . . .

I notice the object . . .

The total is _____.

The parts are _____ and _____.


The number sentence matches the object because . . .

The object matches the number sentence because . . .




Name _____ Date _____

Stories About Subtracting

Use with Problems 3–4.



Mr. Guzman was so excited to have his shelf fixed that he put

10 books on the shelf for his neighbors

to borrow.

Story Problem
In the beginning, there were ...
Then _____ were borrowed. (-)
How many _____ are there?

 starting number

 take away

 number left

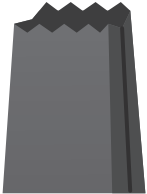



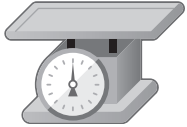
—

=

Name _____ Date _____

Comparing Boxes and Bags

Use with Problem 1.

Word bank					
Example Ejemplo					
English	bag	heavier	lift	lighter	weight
Español	bolsa	más pesado	levantar	más liviano	peso



Bag _____ is **heavier** than Bag _____.



It is **harder** to lift Bag _____.



Bag _____ is **lighter** than Bag _____.


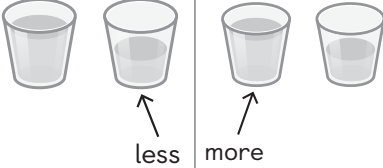
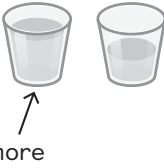






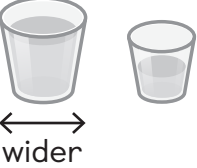
It is **easier** to lift Bag _____.

Name _____ Date _____

River's Bird Feeder

Use with Problem 1.

Word bank					
Example Ejemplo					
English	container	less	more	pour	predict
Español	recipiente	menos	más	verter	predecir

Comparing Containers		
 bigger or smaller	 taller or shorter	 wider



Container _____ can hold more water because ...



Container _____ can hold less water because ...

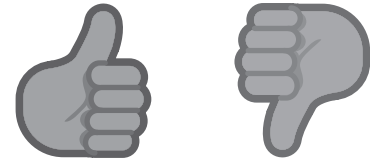
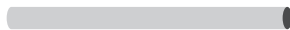
Name _____ Date _____

Two Objects

Use with Problems 1–3.

Which one is longer?

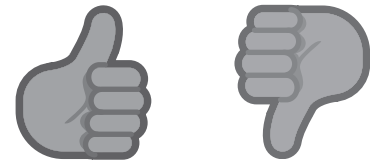
longer



Yes or No

I know this because ...

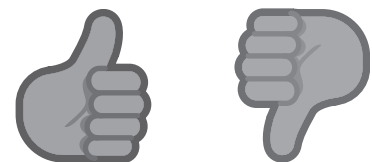
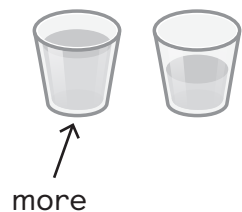
Which one is heavier?



Yes or No

I know this because ...

Which one can hold more water?





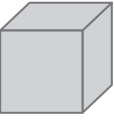
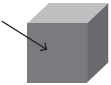


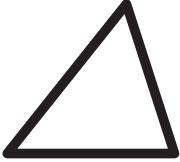
Yes or No

I know this because ...

Name _____ Date _____

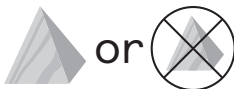
Face Shapes

Use with Activity 1.

Word bank						
Example Ejemplo	 circle faces  no circle faces					
English	category	cube	face	rectangle	square	triangle
Español	categoría	cubo	cara	rectángulo	cuadro	triángulo

I notice the shape . . .

This shape belongs in _____.



I know the shape belongs in the “some triangle faces” category because . . .

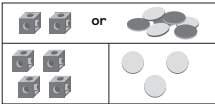
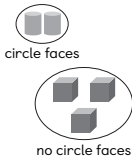




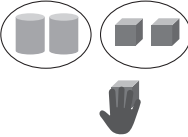




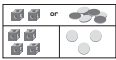
I know the shape belongs in the “no triangle faces” category because . . .

Name _____ Date _____

Data in a Real-Object Graph

Use with Problem 2.

Word bank								
Example Ejemplo		 circle faces no circle faces	<table><tr><td>circle faces</td><td></td></tr><tr><td>no circle faces</td><td></td></tr></table>	circle faces		no circle faces		 ↓
circle faces								
no circle faces								
English	data	category	real-object graph	sort				
Español	datos	categoría	gráfico de objetos reales	clasificar				



I can organize the data by ...



The data belongs _____ in the real-object graph.



One thing that is true about the data is ...



There are _____ connecting cubes.



There are _____ counters.






























There are _____ connecting cubes than counters.
(more or less)

Name _____ Date _____

Creating Graphs With Pictures

Use with Problem 2.

Word bank																
Example Ejemplo	<table><tr><td></td><td>or</td><td></td></tr><tr><td></td><td></td><td></td></tr></table>		or					<p>What We Drink</p> <table><tr><td></td></tr><tr><td></td></tr><tr><td></td></tr></table>				<table><tr><td>circle faces</td><td></td></tr><tr><td>no circle faces</td><td></td></tr></table>	circle faces		no circle faces	
	or															
																
																
																
																
circle faces																
no circle faces																
English	data	picture graph	real-object graph													
Español	datos	gráfico de imágenes	gráfico de objetos reales													



I can show triangles in my picture graph by . . .

I will draw _____ triangles.



I can show circles in my picture graph by . . .

I will draw _____ circles.





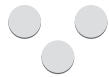










I can show squares in my picture graph by . . .

I will draw _____ squares.

Name _____ Date _____

Data in a Picture Graph

Use with Problem 1.

Word bank							
Example Ejemplo	<div><div> or </div><div></div></div>	<div><p>What We Drink</p><div></div><div></div><div></div></div>	<table><tr><td>circle faces</td><td></td></tr><tr><td>no circle faces</td><td></td></tr></table>	circle faces		no circle faces	
	circle faces						
no circle faces							
English	data	picture graph	real-object graph				
Español	datos	gráfico de imágenes	gráfico de objetos reales				



I notice that the picture graph . . .



I can count _____ in the picture graph.

One thing that is true about the data is . . .

There are _____ circles. 

There are _____ squares. 

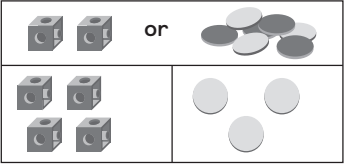

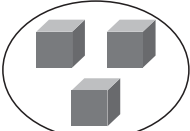

There are _____ triangles. 

I can count _____ to show it is true.

Name _____ Date _____

What Should River Build?

Use with Problems 1–2.

Word bank			
Example Ejemplo		 	
	data	category	picture graph
	Español datos	categoría	gráfico de imágenes



I notice the picture graph . . .



There are _____ votes for the bookshelf.



There are _____ votes for the fence.

I know there are _____ votes altogether because . . .

My number sentence shows. . .