



UNITED ARAB EMIRATES
MINISTRY OF EDUCATION

2023-2024

Reveal **MATH**[®]

UAE Edition
Grade 1 • Volume 1
Student Edition



**Mc
Graw
Hill**

Reveal **MATH**®

Student Edition

Grade 1 • Volume 1

**Mc
Graw
Hill**

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Welcome to *Reveal Math*!

We are excited that you have made us part of your math journey.

Throughout this school year, you will explore new concepts and develop new skills. You will expand your math thinking and problem-solving skills. You will be encouraged to persevere as you solve problems, working both on your own and with your classmates.

With *Reveal Math*, you will experience activities to spark your curiosity and challenge your thinking. In each lesson, you will engage in sense-making activities that will make you a better problem solver. You will have different learning experiences to help you build understanding.

We look forward to revealing to you the wonder and excitement of math.

The *Reveal Math* authors

The *Reveal Math* Authorship Team

McGraw-Hill teamed up with expert mathematicians to create a program centered around you, the student, to make sure each and every one of you can find joy and understanding in the math classroom.

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Math Is...

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Jump into Learning!

You can find all the resources you need from your **Student Dashboard**.



1. See your work in the To-Do List.
2. See the work you already completed.
3. Go to your Interactive Student Edition.

You can use your **Interactive Student Edition** for all your math work.

1. Use the slide numbers to find your page number.
2. Type or draw to work out problems.
3. Check your answers as you go.



Access Lesson Supports Online!

You can also use these to support while you practice.



Need an Instant Replay of the Lesson Content?

Each lesson has a **Math Replay** video that provides a 1–2 minute overview of the lesson concept.



Virtual Tools to Help You Problem Solve

You can access the eToolkit at any time from your Student Dashboard. You can access these tools:

- Counters
- Base-Ten Blocks
- Array Builder
- Fraction Model
- Bucket Balance
- Geometry Sketch
- Money
- Fact Triangles
- Number Line
- and more!

Key Concepts and Learning Objectives

Key Concept Habits of Mind and Classroom Norms for Productive Math Learning

- I make sense of problems and think about numbers and quantities. (Unit 1)
- I share my thinking with my classmates. (Unit 1)
- I can use math to make sense of everyday problems. (Unit 1)
- I see patterns in math. (Unit 1)
- I describe my math story. (Unit 1)
- I work productively with my classmates. (Unit 1)

Key Concept Addition and Subtraction

- I relate counting to addition. (Unit 4)
- I relate counting to and counting back to subtraction. (Unit 5)
- I use different strategies to add and subtract within 100. (Units 4, 5, 9, 11)
- I use addition to solve problems involving adding to and putting together. (Unit 7, 8, 10)
- I explain what the equal sign means. (Unit 4)

Key Concept Number Sense and Place Value

- I read and write numbers from 0 to 120. (Unit 2)
- I use place value to represent 2-digit numbers. (Unit 3)
- I explain that 10 ones equal 1 ten. (Unit 3)
- I compare two 2-digit numbers by comparing the number of tens and the number of ones. (Unit 3)

Key Concept Measurement and Data

- I order three objects from shortest to longest. (Unit 12)
- I compare the lengths of two objects. (Unit 12)
- I measure the length of objects. (Unit 12)
- I tell time to the nearest hour and half hour. (Unit 12)
- I organize and interpret data into three categories. (Unit 12)

Key Concept Attributes of Shapes

- I can describe attributes that define shapes. Some defining attributes are the number of sides and the number of angles. (Unit 6)
- I can describe attributes that do not define shapes. Some non-defining attributes are color, size, and orientation. (Unit 6)
- I can compose two-dimensional and three-dimensional shapes to create composite shapes. (Unit 6)
- I can partition circles and rectangles into 2 and 4 equal parts. (Unit 13)
- I can describe the 2 and 4 equal parts of a circle or rectangle. (Unit 13)

Math is...

How would you complete this sentence?

Math is.....

Math is not just adding and subtracting.

Math is...

- working together
- finding patterns
- sharing ideas
- listening thoughtfully to our classmates
- sticking with a task even when it is a little challenging

In *Reveal Math*, you will develop the habits of mind that strong doers of math have. You will see that math is all around us.



Let's be Doers of Mathematics


Remember, math is more than getting the right answer. It is a tool for understanding the world around you. It is a language to communicate and collaborate. Be mindful of these prompts throughout the year to access the power of math.

1. **Math is... Mine**
 - Mindset
2. **Math is... Exploring and Thinking**
 - Planning
 - Connections
 - Thinking
3. **Math is... My World**
 - In My World
 - Modeling
 - Choosing Tools
4. **Math is... Explaining and Sharing**
 - Explaining
 - Sharing
 - Precision
5. **Math is... Finding Patterns**
 - Patterns
 - Generalizations
6. **Math is... Ours**
 - Mindset

Lesson 3-1

Understand Equal Groups

Be Curious
What do you notice?
What do you wonder?



Math is... Mindset
What can you do to be an active listener?

Math is... Mindset
What can you do to be an active listener?

Explore the Exciting World of STEM!

Ever wonder how math applies in the real world? In every unit, you will learn about a STEM career, from protecting our parks to exploring outer space. You will learn about the STEM career through digital simulations and projects.



STEM Career Kid: Meet Sienna

Let the STEM Career Kid introduce their career and talk about the different responsibilities.



Math In Action: Nutritionist

Watch the Math in Action to see how the math you are learning applies to the real world.

Hi, I'm Sienna.

I want to be a nutritionist to help people eat to feel great!



Math Is . . .

Focus Question

What does it mean to do math?

Hi, I'm Dakota.

I'm excited to be in First Grade. We will use math to understand our world. Look out the window. Where do you see math?

X Y Z



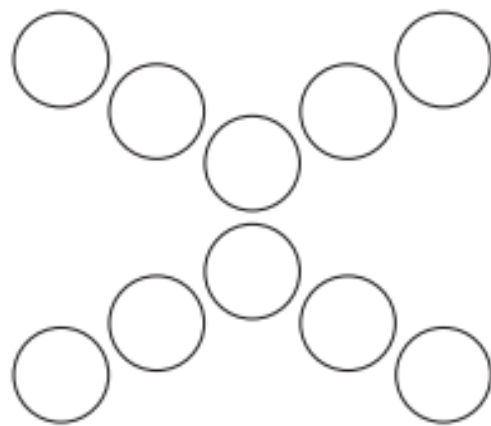
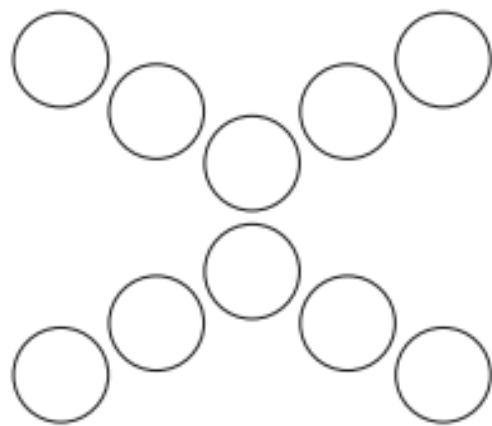
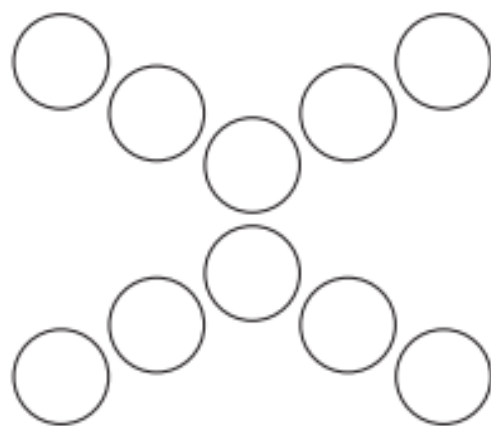
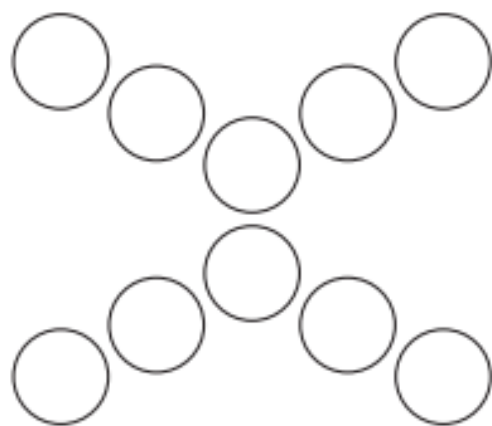
STEM
video

GO
ONLINE

Name _____

How Many Ways?

How many ways can you show 10? Color the counters in each set with 2, 3, or 4 different colors. Then write an equation that matches.



Math Is Mine



Be Curious

**What do you notice?
What do you wonder?**



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Learn

Math gives us power to solve problems.
Everyone has math superpowers.

Find out about your teacher's special math skills.

What are your math superpowers?

Math is... Mindset

What makes me special in math?

How do your math superpowers help you?

Math is... Mindset

How can I use my skills in math?

What math superpowers do you have?

Math is... Mindset

What are my strengths in math?

What new math skills do you want to develop?

Math is... Mindset

What do I want to learn about math?

Work Together

What are some other math skills or superpowers that someone might have?

On My Own

Name _____

What is your math superpower?



Reflect

What about my "Math Me" do I want someone else to know?

Math Is Exploring and Thinking



Be Curious

What do you notice?
What do you wonder?



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Learn

4 dogs are in the park.
1 dog comes.

How many dogs now?



When we do math, we solve problems.

A problem is a question to answer.

The problem is "how many dogs are in the park?"



Math is... Exploring
What is the problem?

I know 4 dogs are in the park.



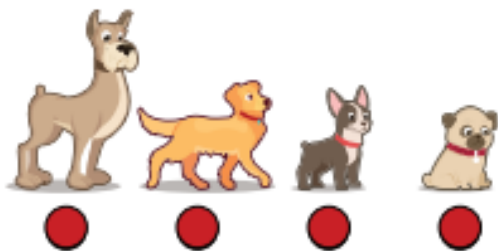
I know 1 dog comes.



Math is... Planning
What do I know?

When we do math, we think about numbers.

I can show the dogs with counters.



Math is... Thinking

What do the numbers mean?



I can add the numbers.



Math is... Connections

How do the numbers go together?

Work Together

5 dogs are in the park.
2 dogs leave. How many dogs now?
Show your thinking.

On My Own

Name _____

2 cats sit in the sun.

4 cats come to sit in the sun.

How many cats? Show your thinking.



Reflect

What is a problem? Show what a problem is.

Math Is In My World



Be Curious

**What do you notice?
What do you wonder?**



Learn

How many dolls have brown or red hair?



When we do math, we think about how to show a problem.

I can draw a picture.



Math is... **In My World**

How can I show the problem?

I can use counters.



I can write an addition equation.



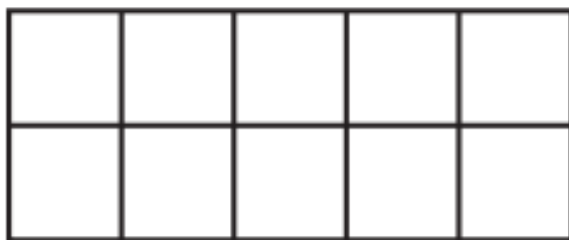
$$4 + 2 = ?$$

Math is... **Modeling**

How can I use math to show the problem?

When we do math, we use tools.

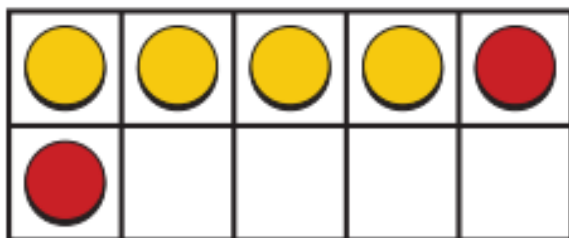
A ten-frame is a tool.



Math is... **Choosing Tools**

What tools do I know?

I will use a ten-frame.



Math is... **Choosing Tools**

What tools do I choose?

$$4 + 2 = 6$$

Work Together

How many dolls have black or blond hair?
Show how you know.

On My Own

Name _____

How many shoes are pink or black?
Show how you know.



Reflect

How can math show a problem?

Math Is Explaining and Sharing



Be Curious

Which doesn't belong?



Learn

I have 4 sides. I have 4 vertices.

What do I look like? Draw me.



When we do math, we explain our thinking.
We can use words, numbers, and pictures.

A rectangle has 4 sides. It has 4 vertices.
I think it is a rectangle.

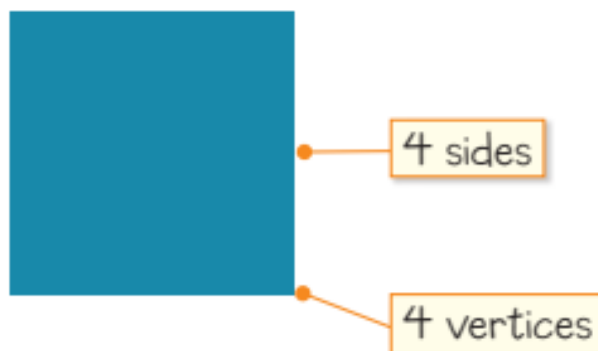


Math is... Explaining

How can I explain my thinking?

When we do math, we listen to others.
We think about their ideas.

Ama says the shape is a square.
It has 4 sides and 4 vertices.



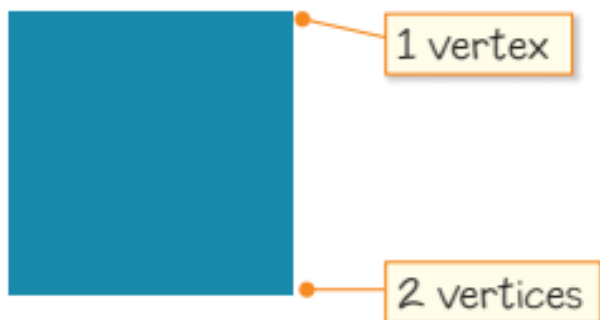
Math is... Sharing

What do others think about this problem?

When we do math, we use math words to describe our thinking.

A shape has corners.

The math word is *vertex* and *vertices*.



Math is... Precision

What math words can I use?

I used math words and drawings to explain my ideas.

I explained my thinking clearly.

Math is... Precision

Did I explain my thinking clearly?

Work Together

Yin says the shape is a triangle. Does her answer make sense to you? Show or tell why.

On My Own

Name _____

I have 3 sides.

I have 3 vertices.

What do I look like? Draw me.

Show or tell your thinking.

Reflect

What math words do I know to describe shapes?

Math Is Finding Patterns



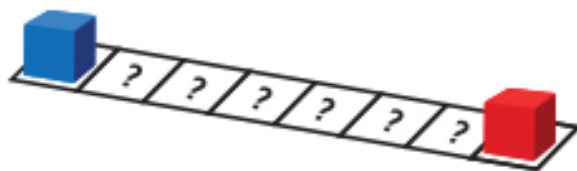
Be Curious

What do you notice?
What do you wonder?



Learn

Sasha has 8 red and blue cubes.



How many can be red? How many can be blue?

When we do math, we look for patterns.

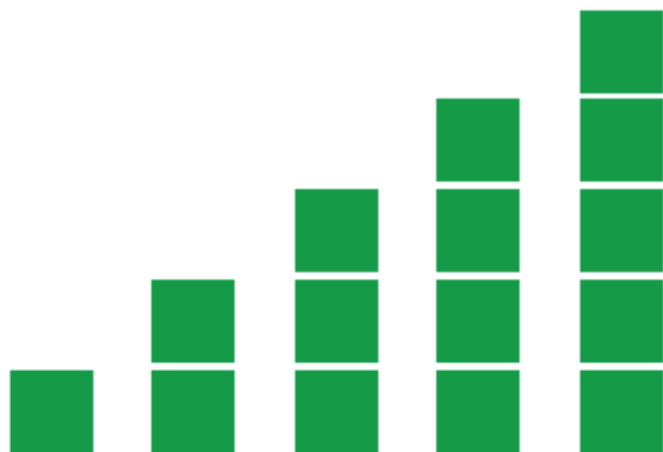
There are many kinds of patterns.

I can look for repeating or growing parts.

The colors and shapes repeat in this pattern.



The number of squares goes up in this pattern.



Math is... Patterns

How do I know I see a pattern?

 We can use patterns to solve problems.

I always have 8 cubes.

The cubes are red or blue.



$$1 + 7 = 8$$



$$4 + 4 = 8$$

I can try different combinations.



$$3 + 5 = 8$$



$$7 + 1 = 8$$

Yes, it always works!

Math is... **Generalizations**

Does this always work?

Work Together

Micah has 10 green and orange tiles.

How many can be green? How many orange?

Show your thinking.

On My Own

Name _____

Kara has 15 cubes. Some are red and some are green. What patterns can she make? Show the patterns.



Reflect

How can you make a pattern with numbers?
Share your number pattern with a friend.

Math Is Ours



Be Curious

What do you notice?
What do you wonder?



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Learn

How do we do math?

When we do math, we work together.



We listen to our friends and teachers.



We think about others' ideas.

Math is... Mindset

What can I do to be a good listener?

When we do math, sometimes we work on our own.



We focus on our work.



We look for help when we feel stuck.

Math is... Mindset

What can I do to stay focused on my work?

When we do math, we solve problems.



We select the tool that works.



We use patterns.

Math is... Mindset

What can I do when I feel stuck?

Work Together

How do we work well with our classmates?

How can we be good listeners?

How do we use tools responsibly?

On My Own

Name _____

What can I do to work well during math class?

Reflect

What can I do to make sure we can all learn math well?

Unit Review

Name _____

Vocabulary Review

What is math? Which of these shows what math is?
Circle all that show what math is.

Math is...

talking



working together



thinking carefully



using tools



sharing ideas



asking for help



Review

How do we act when we do math in our class?
Show or tell how we act.

Reflect

What is my favorite thing about doing math?

Fluency Practice

Name _____

Fluency Strategy

You can put together 5 and break apart 5 in many ways.



Put Together 5	Take Apart 5
$5 + 0 = 5$	$5 = 5 + 0$
$4 + 1 = 5$	$5 = 4 + 1$
$3 + 2 = 5$	$5 = 3 + 2$
$2 + 3 = 5$	$5 = 2 + 3$
$1 + 4 = 5$	$5 = 1 + 4$
$0 + 5 = 5$	$5 = 0 + 5$

1. Write two ways to show how to put together 5.



_____ + _____ _____ + _____

Fluency Flash

What number shows a way to put together or break apart the number 5? Write the number.

2. $4 + \underline{\quad} = 5$ 3. $5 = 1 + \underline{\quad}$

Fluency Check

What number shows a way to put together or break apart the number 5? Write the number.

4. $5 = 2 + \underline{\quad}$

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

6. $1 + \underline{\quad} = 5$

7. $5 = 5 + \underline{\quad}$

8. $3 + \underline{\quad} = 5$

9. $5 + \underline{\quad} = 5$

10. $5 = 3 + \underline{\quad}$

11. $5 = 4 + \underline{\quad}$

12. $2 + \underline{\quad} = 5$

13. $5 = 0 + \underline{\quad}$

Fluency Talk

Bryce broke apart 5 as $3 + 2$. Mia broke apart 5 as $1 + 4$. Who is correct? Explain.

When might knowing how to break apart 5 be used in math?

Number Patterns

Focus Question

How can I use patterns to count, read, and write numbers?

Hi, I'm Erik.

I want to make video games. I am playing a game now. When I hit a target, I will get one point. I have 25 points! Next I will have 26 points.



Name _____

Patterns

Describe the pattern. Draw the next picture for the pattern.



A



B



C

D



A



B



C

D

Counting Patterns to 100



Be Curious

What do you notice?
What do you wonder?



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Math is... Mindset

What can you do to stay focused on your work?

Learn

How can you put these numbers in an order?



Numbers can be put in **counting** order.

The **ones** go up by 1 to 9, then start at 0 again.

34 35 36 37 38 39 40 41 42 43

The **tens** are the same.

The tens go up by 1 each time the ones start at 0.

Counting numbers to 100 follow a **pattern**.

Math is... Generalizations

How will the ones change after 100?

Work Together

What numbers are missing? Draw lines to show the missing numbers. Describe the counting pattern.



79

77

80

76

On My Own

Name _____

What pattern do you notice?

1.

40	41	42	43	44	45	46	47	48	49
----	----	----	----	----	----	----	----	----	----

2.

65	66	67	68	69	70	71	72	73	74
----	----	----	----	----	----	----	----	----	----

3.

84	85	86	87	88	89	90	91	92	93
----	----	----	----	----	-----------	-----------	----	----	----

4. **STEM Connection** Erik plays a counting video game. How can he find the missing numbers?



5. **Extend Your Thinking** What numbers are missing? Draw lines to show the missing numbers.

96			99	100			
----	--	--	----	-----	--	--	--

102 101 97 98 103

Reflect

What are counting patterns?

Math is... Mindset

How did you stay focused on your work?

Patterns on a Number Chart to 120



Be Curious

What do you notice?
What do you wonder?



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Math is... Mindset

What helps you know
when there is a problem?

Learn

Celia counts 97 pennies.

What numbers does Celia count next?



A **number chart** and counting patterns help you count.

Start at 97. Use counting patterns as you count on.

Math is... Using Tools

How does the number chart show the pennies?

										column
I	2	3	4	5	6	7	8	9	10	
11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26	27	28	29	30	
31	32	33	34	35	36	37	38	39	40	
41	42	43	44	45	46	47	48	49	50	
51	52	53	54	55	56	57	58	59	60	
61	62	63	64	65	66	67	68	69	70	
71	72	73	74	75	76	77	78	79	80	
81	82	83	84	85	86	87	88	89	90	
91	92	93	94	95	96	97	98	99	100	
101	102	103	104	105	106	107	108	109	110	
111	112	113	114	115	116	117	118	119	120	

Counting patterns to 120 are the same as the patterns to 99.

Work Together

Grace starts at 99. What are the next 4 numbers she counts? Explain how you know.

91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110

On My Own

Name _____

Use the number chart on the Learn page to help you answer the questions.

1. What counting pattern do you notice for ones? Explain.

2. What counting pattern do you notice for tens? Explain.

3. What counting pattern do you notice after 100? Explain.

-
4. Jill counts 98 flowers. What are the next 8 numbers she counts?

91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110

5. Tim counts 115 books. What are the next 5 numbers he counts?

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

6. **Error Analysis** Joy counts 108 pennies. She counts 6 more pennies. She says she has 113 pennies. Help Joy count her pennies.

101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

7. **Extend Your Thinking** What do you think about the counting patterns after 120? Explain.

Reflect

How can you identify patterns when counting to 120?

Math is... **Mindset**

What helped you know when there was a problem?

Patterns on a Number Line



Be Curious

What do you notice?
What do you wonder?



Math is... Mindset

What are your strengths
in math?

Learn

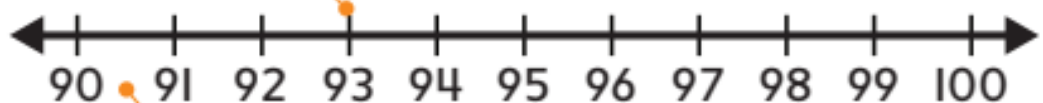
Today is day 100 of the school year.
How can the students show how many days they have been in school?

Day 100

The students can make a **number line**.

A number line has marks for the numbers.

It has arrows at both ends.



The numbers have the same space between them.

Math is... Choosing Tools

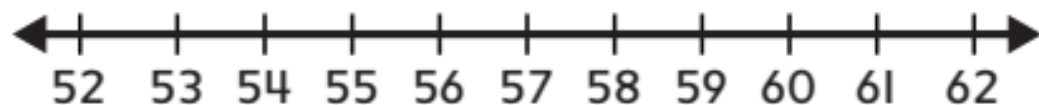
How is a number line like a number chart? How is it different?

Number lines can show counting patterns.

Work Together

What counting patterns do you notice?

How are they like the counting patterns on the number chart?

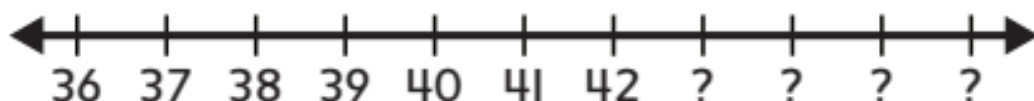


On My Own

Name _____

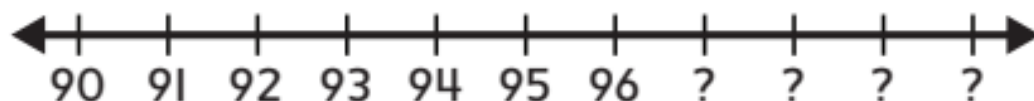
Which numbers come next? Circle the answer.

1. Start at 42. Count by 1s. Which numbers come next?



- A. 43, 44, 45, 46
- B. 44, 46, 48, 50
- C. 52, 62, 72, 82

2. Start at 96. Count by 1s. Which numbers come next?



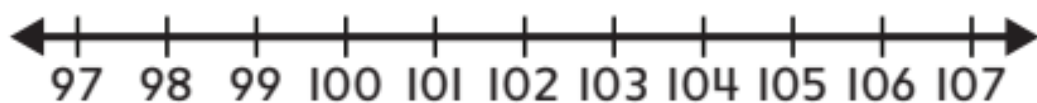
- A. 93, 94, 95, 96
- B. 97, 96, 95, 94
- C. 97, 98, 99, 100

3. Start at 115. Count by 1s. Which numbers come next?

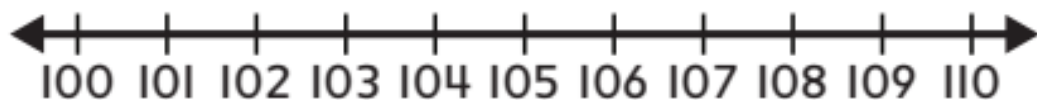


- A. 110, 111, 112, 113, 114
- B. 114, 112, 110, 108, 106
- C. 116, 117, 118, 119, 120

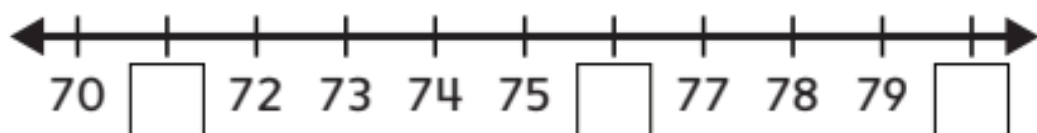
4. What counting patterns do you notice?



5. Ray starts at 103. He counts on 5 more. What patterns do you notice in the numbers Ray counts?



6. **Extend Your Thinking** How can you use number patterns to complete this number line? Explain.



Reflect

How do number lines show counting patterns?

Math is... **Mindset**

How did your math strengths help you today?

Counting by 1s

Name _____

1. The students are counting by 1s from 55.
They count 56, 57, 58, 59, 60, _____

Circle the number that comes next.

50**59****61****70**

Tell or show how you know which number is correct.

2. The students are counting by 1s from 106.
They count 107, 108, 109, _____.

Circle the number that comes next.

99

110

108

119

Tell or show how you know which number
is correct.

Reflect On Your Learning

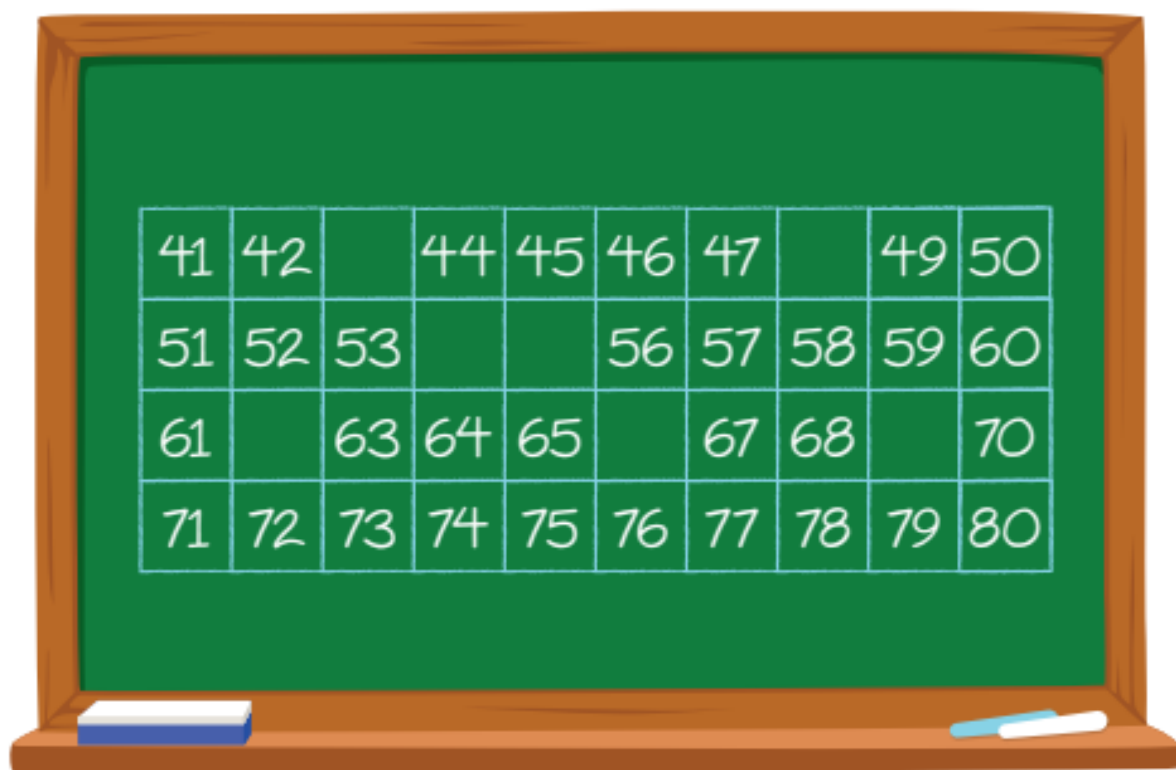


Patterns When Reading and Writing Numbers



Be Curious

What do you notice?
What do you wonder?



Math is... Mindset

How can you share
your ideas clearly?

Learn

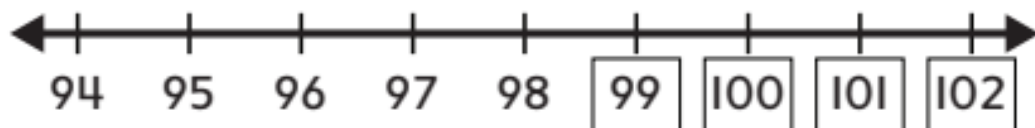
What numbers come next?

94, 95, 96, 97, 98, _____, _____, _____, _____

You can use counting patterns to help write the numbers that come next.

The ones go up by 1 to 9.

Then they start at 0 again.



The tens stay the same.

Then they go up by 1 when the ones start at 0 again.

Math is... **Patterns**

How will the tens change after 109?

Counting patterns can help you read and write numbers.

Work Together

What numbers come next? Write the next 3 numbers.

99, 100, 101, _____, _____, _____

Explain how you know.

On My Own

Name _____

What numbers come next? Write the numbers.

1. 45, 46, 47, _____, _____, _____.

Explain how you know.

2. 76, 77, 78, _____, _____, _____.

Explain how you know.

3. 115, 116, 117, _____, _____, _____.

Explain how you know.

4. Error Analysis Kimani counts by 1s from 99. He counts 99, 100, 110, 111, 112, 113. How can Kimani fix his mistake?

5. How do counting patterns help you read numbers?

6. Extend Your Thinking What number comes after 120? Explain how you know.

Reflect

How can you use patterns to help read and write numbers?

Math is... Mindset

What helped you to clearly share your ideas?

Patterns When Representing Objects in a Group



Be Curious

What do you notice?
What do you wonder?



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Math is... Mindset

How can you show respect
for your classmates?

Learn

How can you show the number of flowers?



You can write a number to show **how many**.

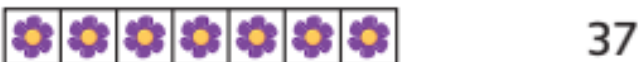
Put the objects in groups.



Count the objects.



Write a number to show how many.



37

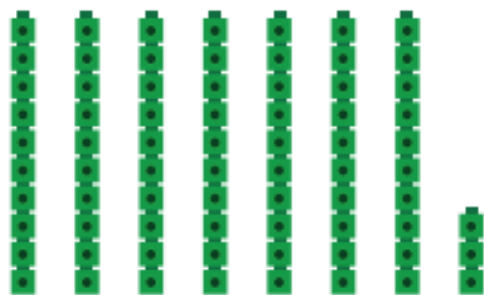
Putting objects in groups can help you count them.

Math is... Planning

What are different ways you can group objects to count them?

Work Together

Count and write how many.



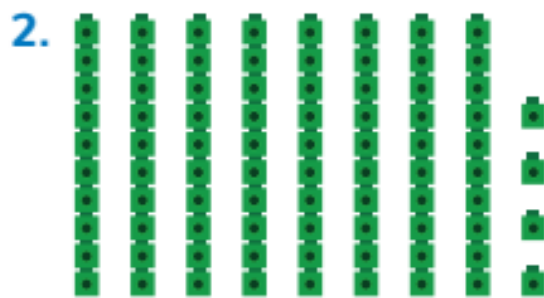
On My Own

Name _____

How many objects are there? Write a number to show how many.



_____ leaves



_____ connecting cubes



_____ acorns



_____ connecting cubes

How can you show how many?

5. **STEM Connection** Erik plays a video game about flying. There are clouds in the sky. How many clouds are there?



_____ clouds

6. **Extend Your Thinking** Mr. Cho writes this number on the board. Make a drawing to show how many.



Reflect

How can patterns help you count objects and write a number to show how many?

Math is... Mindset

How have you shown respect for your classmates?

Unit Review

Name _____

Vocabulary Review

Use the vocabulary to complete each sentence.

column

pattern

row

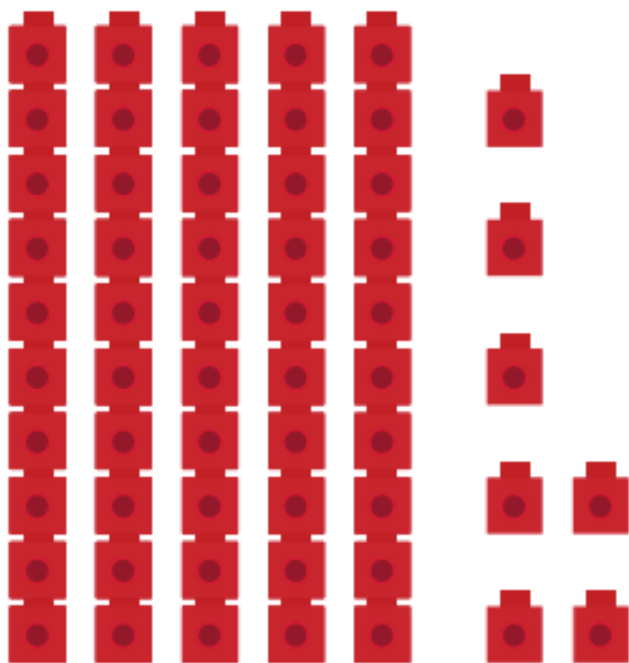
number line

ones

1. A _____ in a number chart shows numbers placed side by side.
2. When ones go up by 1 to 9 and then start again at 0, it is called a _____.
3. A _____ in a number chart shows numbers placed up and down.
4. The number 26 has 6 _____.
5. A line with numbers and arrows at both ends is a _____.

Review

6.



How can you count the connecting cubes?
Write the number.

_____ connecting cubes

7. Carrie is counting by 1s. She starts at 54. What are the next 3 numbers she counts?

A. 53, 54, 55

B. 55, 56, 57

C. 56, 57, 58

8. What numbers are missing? Write the missing numbers.

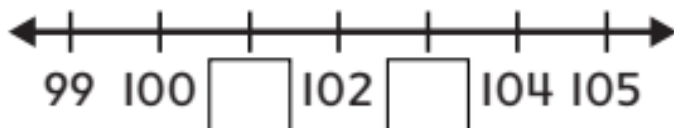
43, _____, 45, 46, _____, 48, 49

9. Which of these are true about the numbers in the row that begins with 21? Choose the correct answer.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

- A. All the numbers begin with 2.
 B. The numbers go up by 10.
 C. The numbers go up by 1.

10. What numbers are missing? Write the numbers.



Performance Task

A store has 120 video games. Each game has a number label. Some of the labels fell off. Fill in the missing numbers on the chart.

1	2	3				7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47			
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71		73	74	75	76	77	78	79	80
81		83	84	85	86	87	88	89	90
91		93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

Reflect

What are some ways you use patterns when you count, read, and write numbers?

Fluency Practice

Name _____

Fluency Strategy

You can put together and break apart 10 in many ways.
Here is one way to put together 10.



$$3 + 7 = 10$$

Here is one way to break apart 10.



$$10 = 5 + 5$$

1. What number shows a way to put together 10?
Write the number.

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

Fluency Flash

What number shows a way to put together or break apart the number 10? Write the number.

2. $10 = 8 + \underline{\quad}$

3. $6 + \underline{\quad} = 10$

Fluency Check

What number shows a way to put together or break apart the number 5 or 10? Write the number.

4. $10 = 9 + \underline{\quad}$

5. $4 + \underline{\quad} = 10$

6. $3 + \underline{\quad} = 5$

7. $5 = 0 + \underline{\quad}$

8. $1 + \underline{\quad} = 10$

9. $3 + \underline{\quad} = 10$

10. $10 = 5 + \underline{\quad}$

11. $10 = 3 + \underline{\quad}$

12. $10 = 2 + \underline{\quad}$

13. $5 = 3 + \underline{\quad}$

Fluency Talk

How is breaking apart 10 the same as breaking apart 5? How is it different?

When might knowing how to put together 5 be used in math?

Place Value

Focus Question

How can I use place value to represent and compare numbers?

Hi, I'm Jin.

I want to be a paleontologist. I collect dinosaur teeth. I have 2 boxes. Each box has 10 teeth. I have 3 extra teeth. That is 2 tens and 3 more. I have 23 dinosaur teeth! Grouping tens and ones helps me count.



Name _____

Seeing Dots

Listen to your teacher. Describe what you see.

A.



B.



C.



D.



E.



F.



Numbers 11 to 19



Be Curious

What do you notice?
What do you wonder?



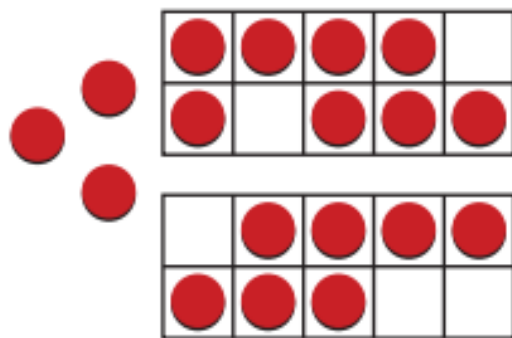
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Math is... Mindset

How do you feel about learning math?

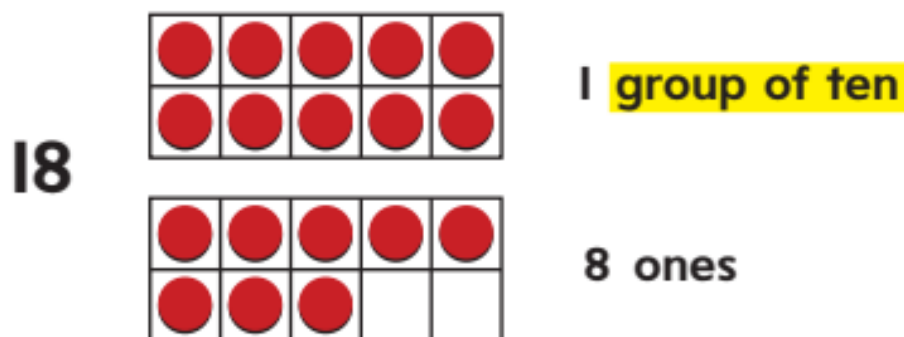
Learn

How can you determine the number of counters?



You can fill **ten-frames**.

The top ten-frame shows 1 group of ten.
The bottom ten-frame shows 8 ones.



Math is... **Patterns**

What patterns do you notice in teen numbers?

Numbers 11, 12, 13, 14, 15, 16, 17, 18, and 19 are **teen numbers**.

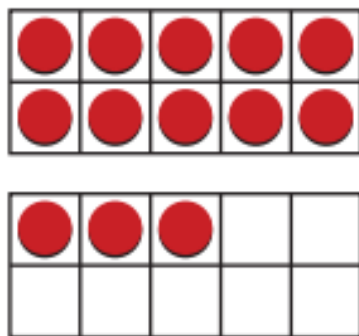
They have 1 group of ten and some ones.

Work Together

How many counters?

_____ group of ten and

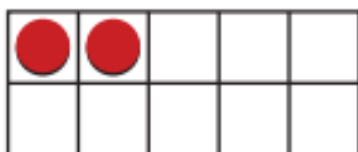
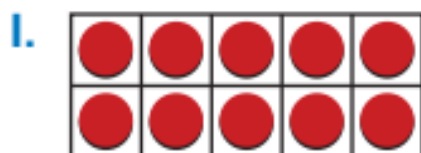
_____ ones is _____.



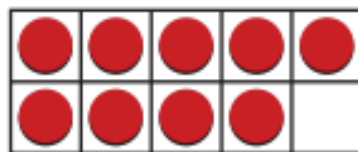
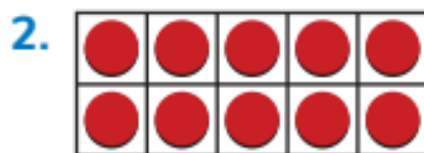
On My Own

Name _____

How many counters? Write the numbers.

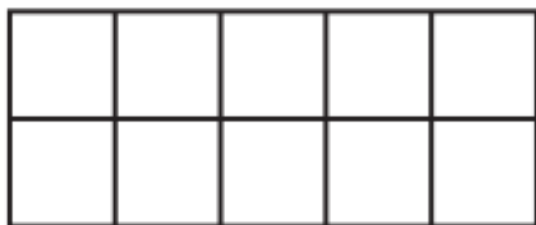
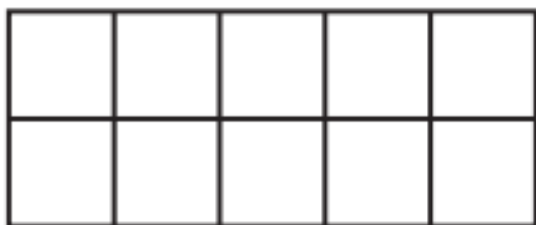


_____ group of ten and
_____ ones is _____.



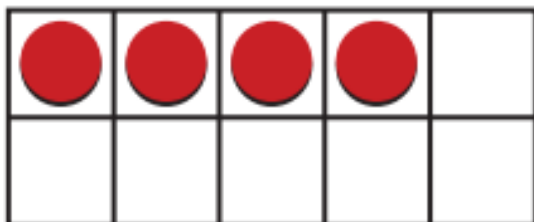
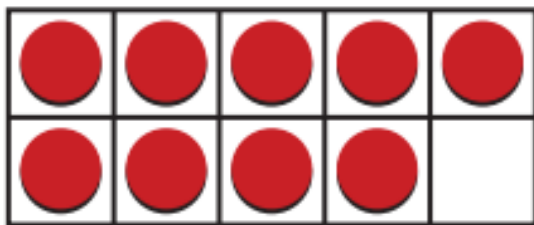
_____ group of ten and
_____ ones is _____.

3. How can you show 17? Draw counters in the ten-frames. Write the numbers.



_____ group of ten and _____ ones is _____.

- 4. Error Analysis** Do the ten-frames show 14?
Draw or cross out counters to show 14.



- 5. Extend Your Thinking** Circle all the teen numbers.
Explain your thinking.

5 10 13 19

Reflect

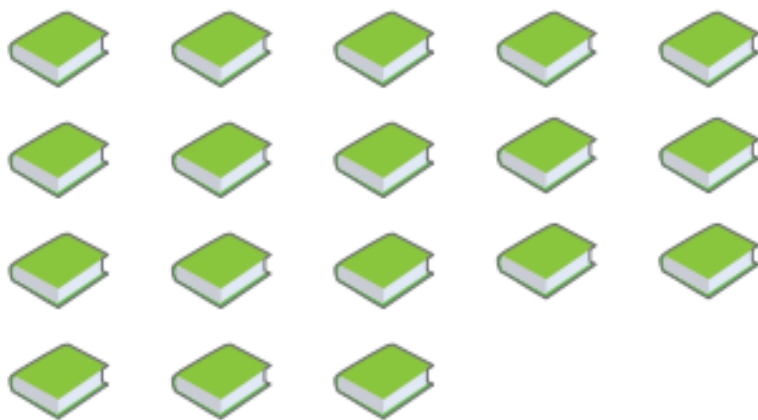
How can you make teen numbers?

Math is... Mindset

How did you feel about learning math today?

Show the Value of the Digit: Student Interview

Name _____

Card 1 Twelve Shoes**Card 2** Eighteen Books

Card 3 Seventeen Scissors



Reflect On Your Learning



Understand Tens



Be Curious

What do you notice?
What do you wonder?



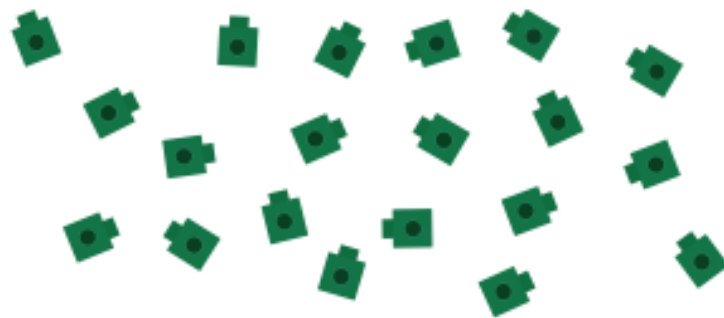
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Math is... Mindset

What are your math superpowers?

Learn

How can you count the connecting cubes?



You can make groups of 10 cubes.

Math is... Choosing Tools
How can connecting the cubes help you count?

10 ones is the same as 1 ten.

2 tens and 0 ones is 20.

You can put together 10 ones to make 1 ten.

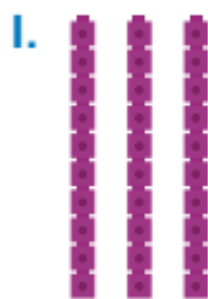
Work Together

What number has 8 tens and 0 ones?
Use connecting cubes to show the number.
8 tens and 0 ones is _____.

On My Own

Name _____

How many groups of 10? Write the numbers.



_____ tens and
_____ ones is _____.



_____ tens and
_____ ones is _____.

How many groups of ten? Use cubes to show the tens. Then write the number of tens and ones.

3. 90

_____ tens and
_____ ones

4. 40

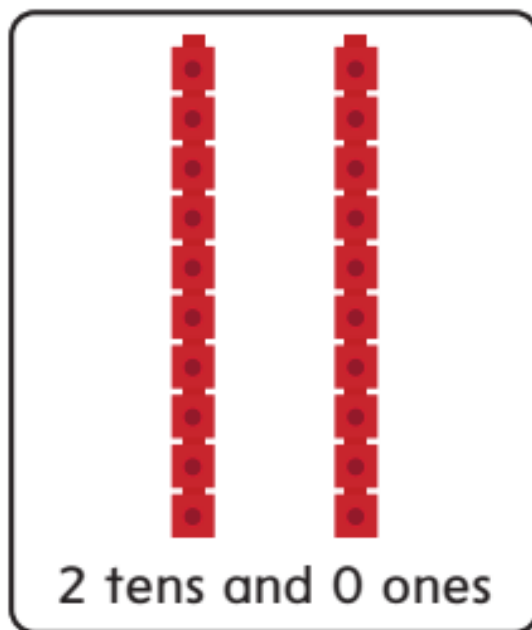
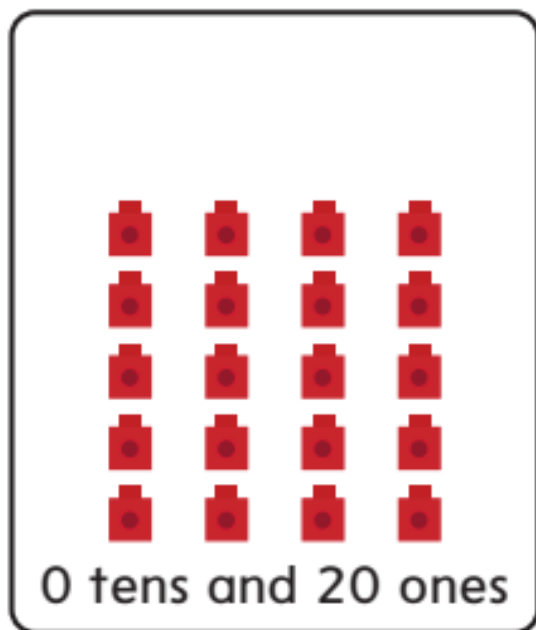
_____ tens and
_____ ones

5. **STEM Connection** Jin sorts his dinosaur toys into groups of 10. He has 5 groups. How many dinosaur toys does Jin have?

_____ dinosaur toys



6. **Extend Your Thinking** Do these show the same number? Explain your thinking.



Reflect

How can you show and group tens?

Math is... Mindset

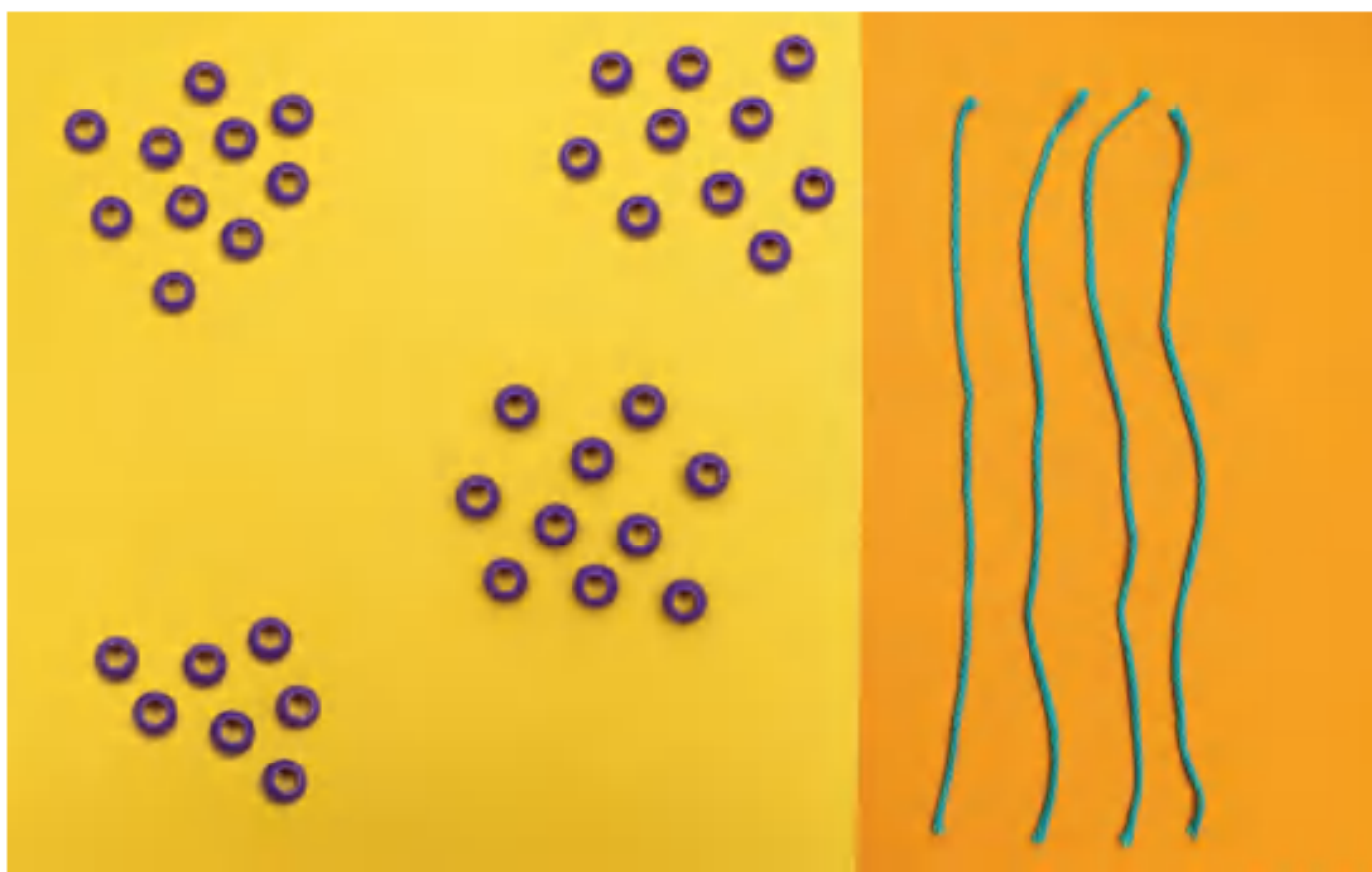
How did you use your math superpowers today?

Represent Tens and Ones



Be Curious

What do you notice?
What do you wonder?



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Math is... Mindset

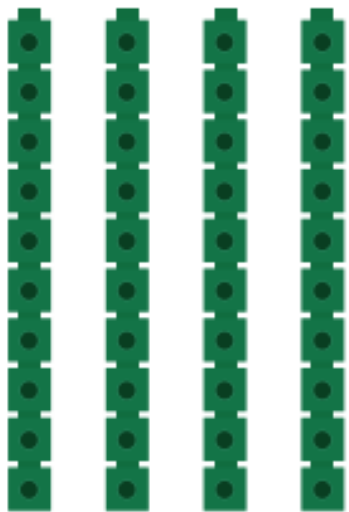
What do you want
to accomplish today?

Learn

How can you show how many tens and ones?

46

You can use cubes to show the tens and ones.



Math is... Structure

Which number tells you how many tens?

4 tens and 6 ones is 46.

You can show a 2-digit number as tens and ones.

Work Together

How can you show 73? Draw or use cubes.
Then write the numbers.

_____ tens and _____ ones is _____.

On My Own

Name _____

How many? Circle the tens. Then write numbers to show how many.



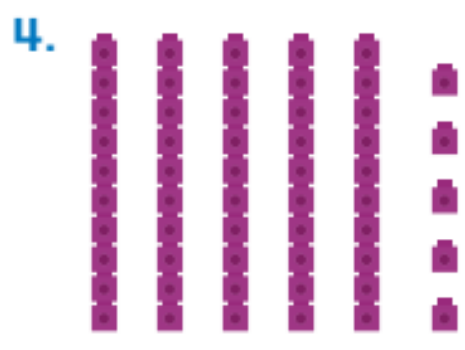
_____ tens and
_____ ones is _____.



_____ tens and
_____ ones is _____.



_____ tens and
_____ ones is _____.



_____ tens and
_____ ones is _____.

5. 75 is _____ tens and _____ ones.

6. **Extend Your Thinking** Which cubes show 25?
Circle the cubes. Write how many tens and ones.



25 is _____ tens and _____ ones.

Reflect

How can you show tens and ones?

Math is... Mindset

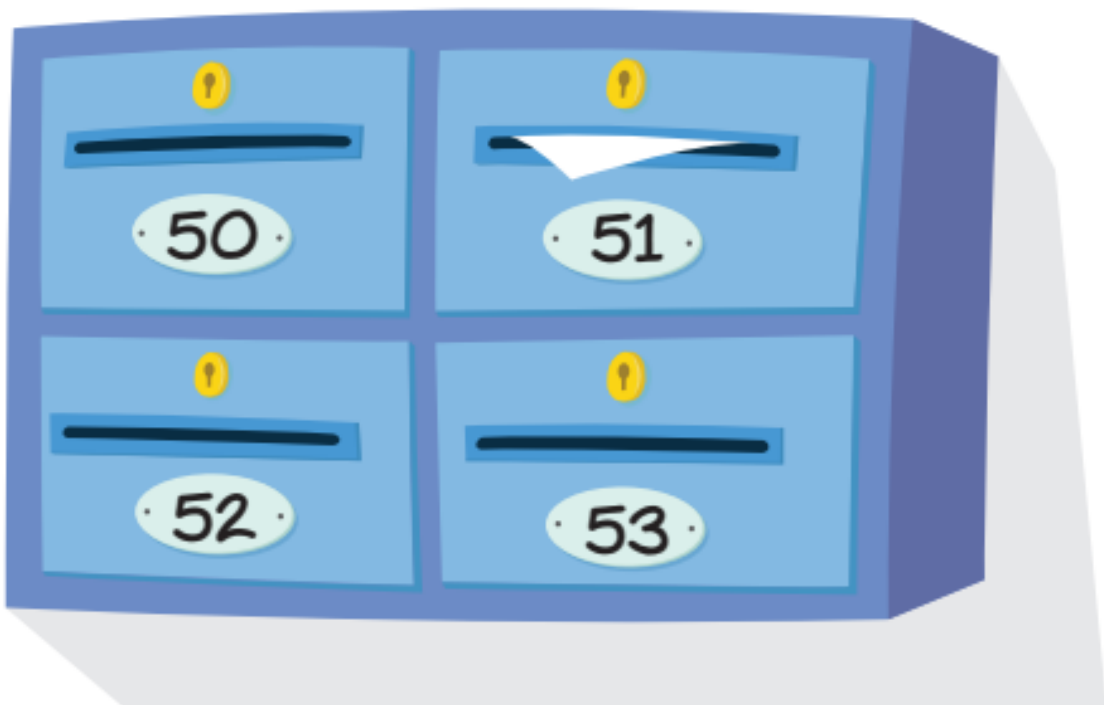
What goal did you accomplish in math today?

Represent 2-Digit Numbers



Be Curious

What do you notice?
What do you wonder?



Math is... Mindset

How can you work well with a classmate even when you might disagree?

Learn

How can you show a number with 5 tens and 9 ones?



You can show **place value** different ways.

You can use connecting cubes.



5 tens and 9 ones is 59.

You can use a **place-value chart**.

tens	ones
5	9

You can draw.

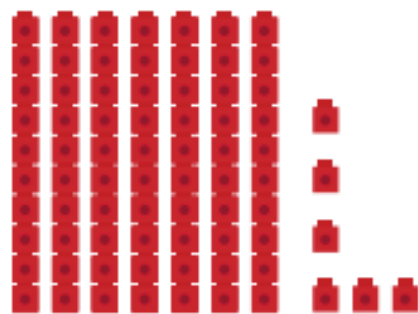


Math is... Choosing Tools

How do the connecting cubes show the tens and ones?

Work Together

How can you use a place-value chart to show how many?

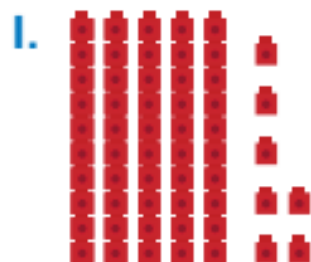


tens	ones

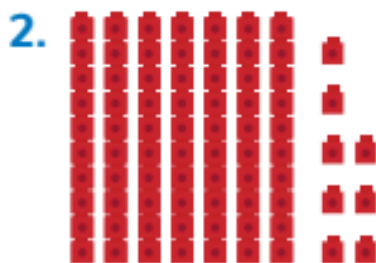
On My Own

Name _____

Write the number in the place-value chart.



tens	ones



tens	ones

3. Which cubes show 42? Circle the cubes.
Write to show the tens and ones.



42 is _____ tens and _____ ones.

4. How can you show 4 tens and 0 ones? Draw to show. Write the number in the place-value chart.

tens	ones

Extend Your Thinking Use the number 68 to answer the questions.

5. What is the value of the 6?

_____ tens or _____

6. What is the value of the 8?

_____ ones or _____

Reflect

How can you show numbers with tens and ones?

Math is... Mindset

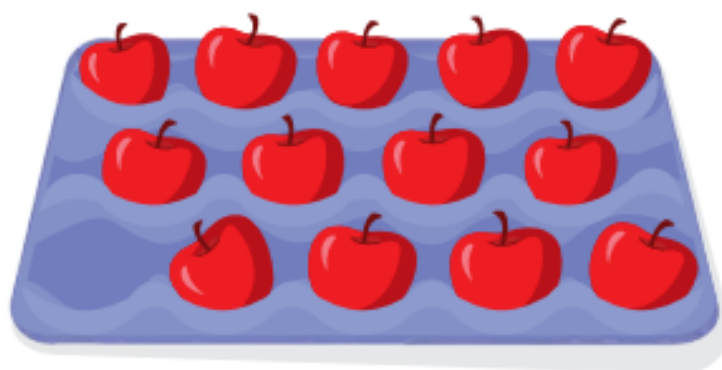
How did you work with a classmate even when you disagreed?

Represent 2-Digit Numbers in Different Ways



Be Curious

**How are they the same?
How are they different?**



Math is... **Mindset**

What helps you understand
your partner's ideas?

Learn

Grant shows a number with 1 ten and 24 ones.

Laila shows a number with 3 tens and 4 ones.

Do they both show the same number?

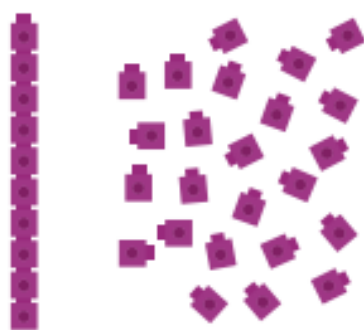
You can show the tens and ones.

Math is... Quantities

How can you show the number?



34 is 3 tens and 4 ones.



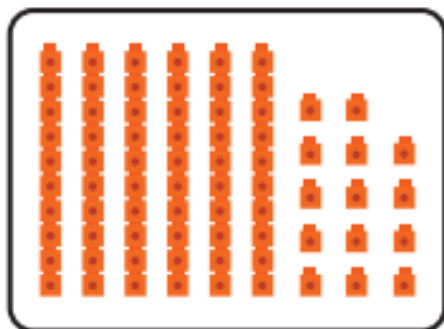
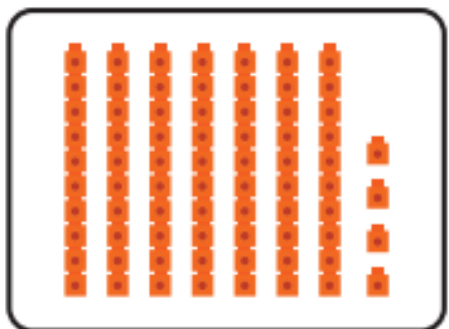
34 is also 1 ten and 24 ones.

You can show a number in different ways.

Work Together

Does each group show the same number?

How do you know? Write each number.



On My Own

Name _____

Circle the answer to each problem.

1. Which shows a different way to make the number shown?



2. Do these show the same number? Yes No



Write the numbers.

3. **STEM Connection** Jin has 76 fossils. What are two ways he can show the number?

_____ tens and _____ ones is _____.

_____ tens and _____ ones is _____.



Draw to show your thinking.

4. How can you draw to show the number 29?



5. How can you draw to show 29 a different way?



6. **Extend Your Thinking** How can you show 49 in different ways? Use connecting cubes to help. Write the numbers.

0 tens and _____ ones

1 ten and _____ ones

_____ tens and 29 ones

3 tens and _____ ones

_____ tens and 9 ones

Reflect

How can you show a number in different ways?

Math is... **Mindset**

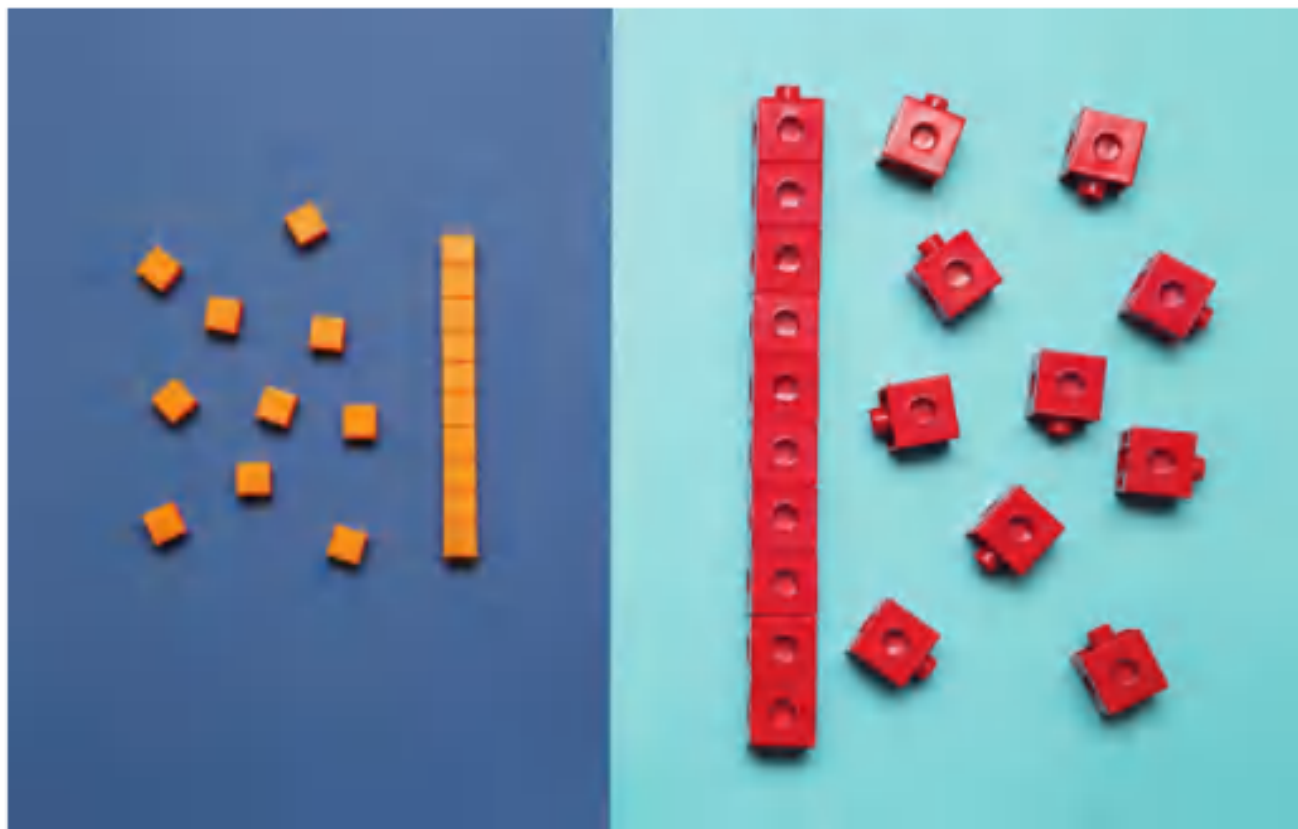
What did you do to understand your partner's ideas?

Compare Numbers



Be Curious

What do you notice?
What do you wonder?



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Math is... Mindset

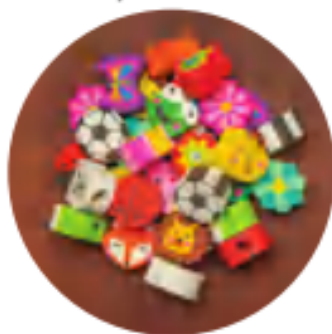
What helps you work well
in a team?

Learn

Marcy has 39 erasers.
Frank has 82 erasers.

Who has more erasers?

Marcy's Erasers



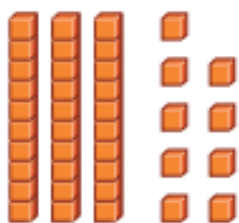
Frank's Erasers



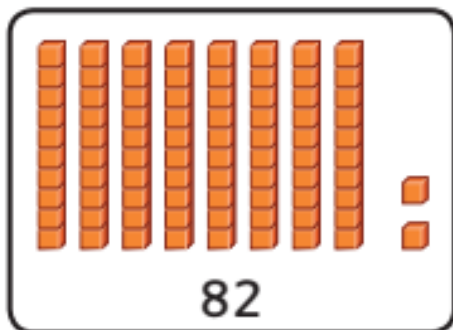
You can **compare** the numbers to show who has more.

Compare the tens. 8 tens is more than 3 tens.

82 is **greater than** 39.



39



82

If the tens are the same, you compare the ones next.

A number can be greater than, **less than**, or **equal to** another number.

Math is... **Choosing Tools**

What is another tool you can use to compare numbers?

Work Together

Which number is greater? Circle the answer.
Tell how you know.

74

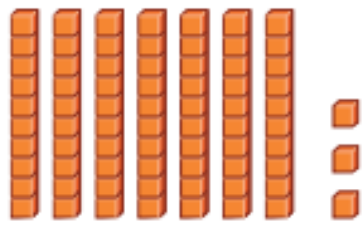
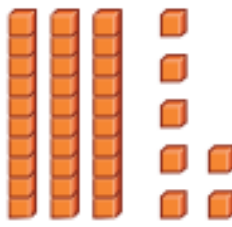
70

On My Own

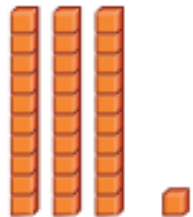
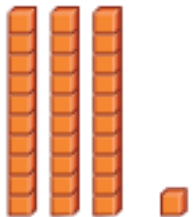
Name _____

How can you compare the numbers?

Circle *is greater than*, *is less than*, or *is equal to*.



1.  is greater than 
 is less than
 is equal to

73 37

2.  is greater than 
 is less than
 is equal to

31 31

How can you compare the numbers? Draw to show the tens and ones. Circle *is greater than*, *is less than*, or *is equal to*.

3.  is greater than 
 is less than
 is equal to

52 53

How do the numbers compare? Write *greater* or *less than*.

4. 25 is _____ than 41 5. 68 is _____ than 66

6. **Error Analysis** Harper's book has 38 pages. Eli's book has 48 pages. Harper says her book has more pages. How can you help Harper compare the numbers?

7. **Extend Your Thinking** What numbers can make the sentence true?

_____ is less than _____.

Reflect

How can you know which number is greater?

Math is... Mindset

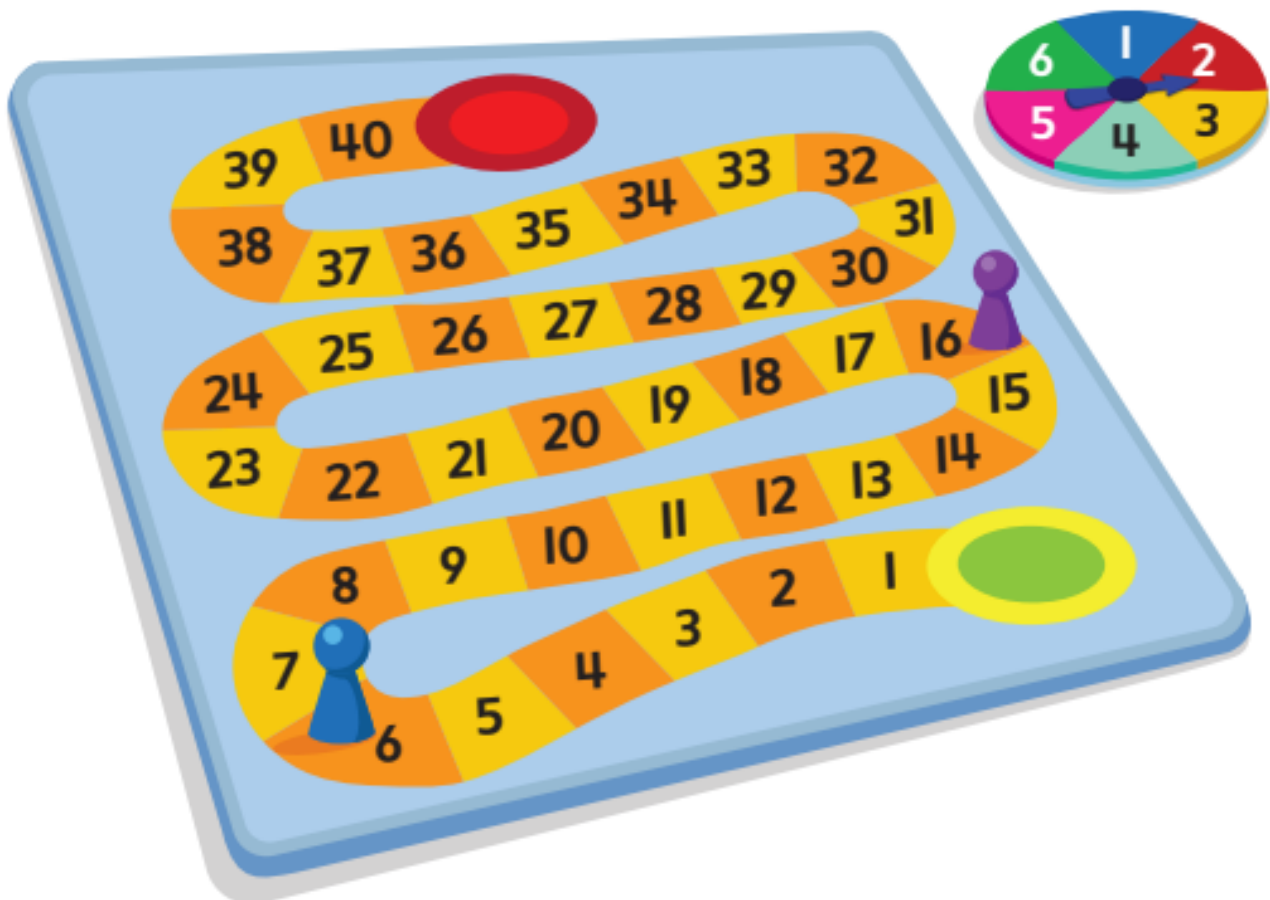
How did you work with your team today?

Compare Numbers on a Number Line



Be Curious

What do you notice?
What do you wonder?



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Math is... Mindset

What helps you feel relaxed
when you are frustrated?

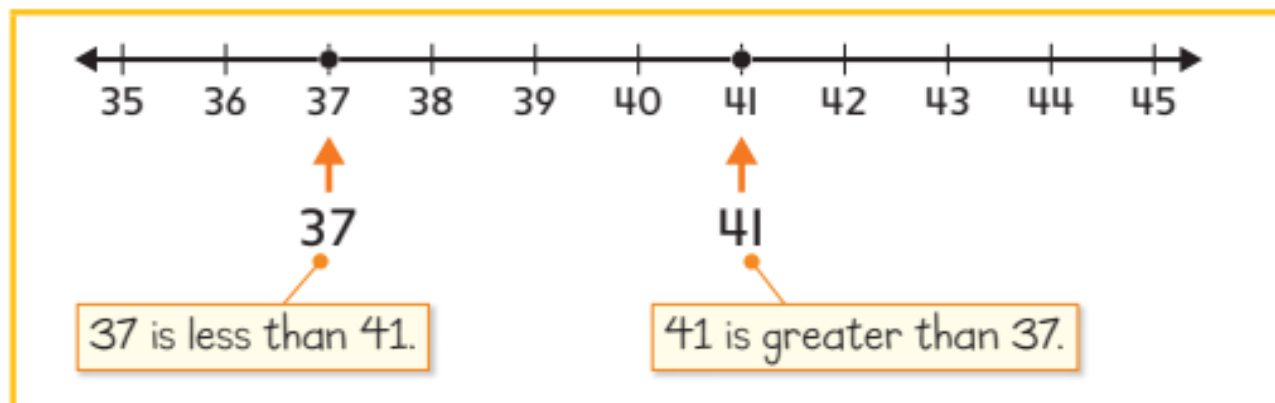
Learn

Quinn reads for 41 minutes on Monday. She reads for 37 minutes on Tuesday.

On which day does Quinn read for more minutes?

Reading Log	
Day	Time (Minutes)
Monday	41
Tuesday	37

You can compare the numbers on a number line.



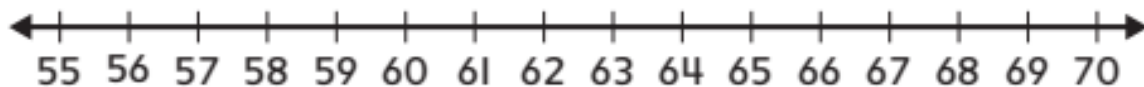
On a number line, the number to the right is greater. The number to the left is less.

Math is... Structure

If you know 41 is greater than 37, what else do you know?

Work Together

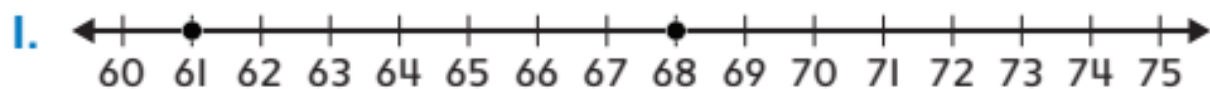
Which number is greater, 59 or 66? Show your thinking on the number line.



On My Own

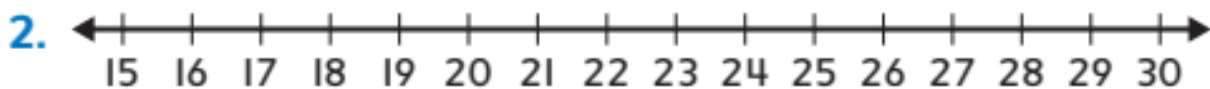
Name _____

Write *is greater than*, *is less than*, or *is equal to*.

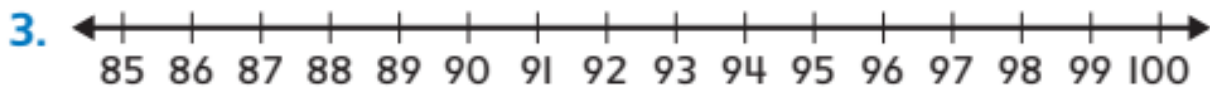


61 _____ 68

Draw dots to show the numbers on the number line.
Write *is greater than*, *is less than*, or *is equal to*.

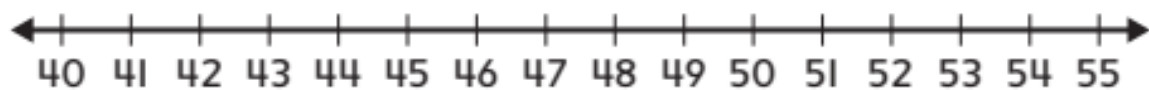


27 _____ 17



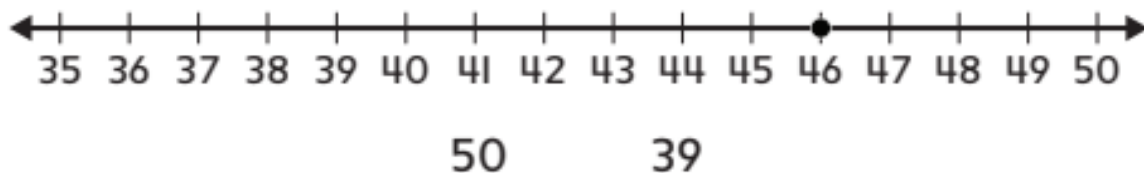
89 _____ 97

4. **STEM Connection** Jin digs for fossils.
He digs 49 holes in his yard.
He digs 51 holes in his garden.
Use the number line and words
to compare the numbers.

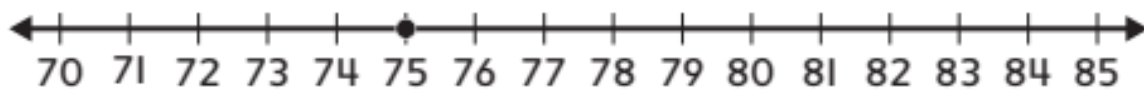


49 _____ 51

5. Which number completes the sentence? Circle the number. 46 is greater than _____.



6. **Extend Your Thinking** What number is less than 75? Draw a dot on the number line to show your answer. Explain your thinking.



Reflect

How can a number line help you compare numbers?

Math is... **Mindset**

Were you relaxed or frustrated during math today?

Use Symbols to Compare Numbers



Be Curious

What do you notice?
What do you wonder?



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Math is... Mindset

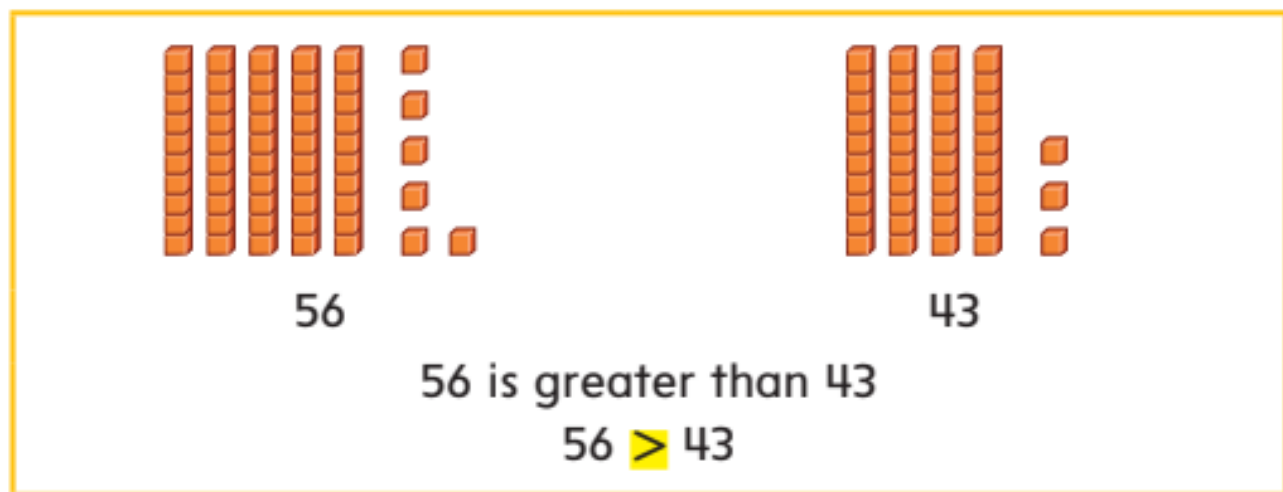
How can you be flexible in your thinking?

Learn

The pet store has 56 clownfish and 43 goldfish.

Which kind of fish does the pet store have more of?

You can compare the numbers.



You can use $>$ (greater than), $<$ (less than), and $=$ (equal to) to compare numbers.

Math is... Thinking

Why might you want to compare two numbers?

Work Together

How can you compare the numbers? Use $>$, $<$, or $=$. Explain your thinking.

31 ○ 13

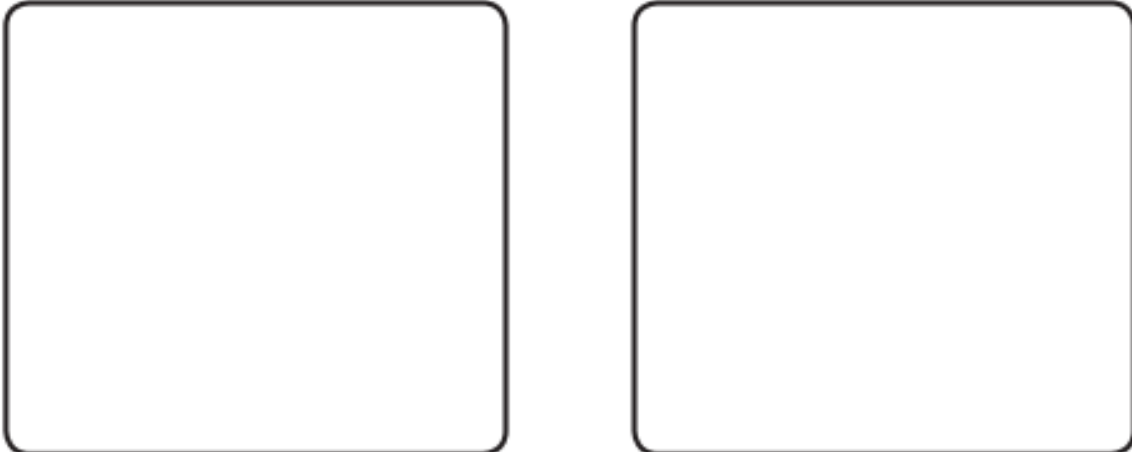
On My Own

Name _____

Which sign matches the meaning? Circle $>$, $<$, or $=$.

1. less than 2. equal to 3. greater than
 $>$ $<$ $=$ $>$ $<$ $=$ $>$ $<$ $=$

How can you compare the numbers? Draw the tens and ones. Write $>$, $<$, or $=$.

4. 

63 ○ 61

5. **Error Analysis** Benny has 72 trading cards. Jordyn has 76 trading cards. Benny says they have the same number of cards. How do you respond to Benny?

How can you compare the numbers?

Write $>$, $<$, or $=$.

6. $39 \bigcirc 27$

7. $88 \bigcirc 88$

8. $48 \bigcirc 49$

9. $57 \bigcirc 75$

- 10. Extend Your Thinking** The pet store sells 47 kinds of cat food. It sells 65 kinds of dog food. How can you compare the numbers using $>$, $<$, or $=$? Explain your thinking.

Reflect

How did you work like a mathematician to compare numbers?

Math is... Mindset

How were you flexible in your thinking today?

Unit Review

Name _____

Vocabulary Review

Use the vocabulary to complete each sentence.

compare

equal to

greater than

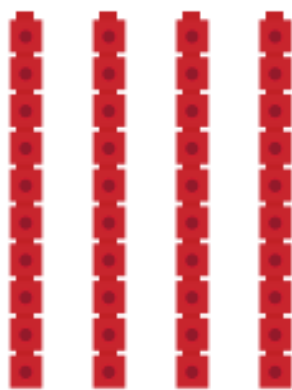
ten

less than

1. The $=$ sign means _____.
2. The $<$ sign means _____.
3. A group of 10 ones is 1 _____.
4. To look at numbers and see which is greater is to _____.
5. The $>$ sign means _____.

Review

6. Look at the cubes.
Complete the sentence.



_____ tens and 0 ones is _____.

7. What is another way to show the number 18?
- A. 1 ten and 1 one
 - B. 1 ten and 8 ones
 - C. 8 tens and 1 one

8. Look at the number.

75

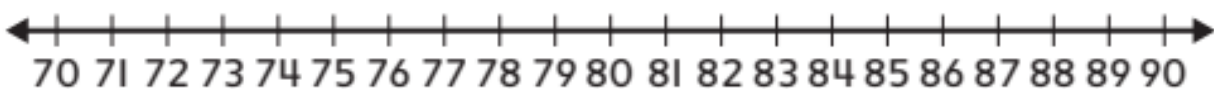
Complete the sentence.

_____ tens and _____ ones is _____.

9. Is the comparison true or false? Mark the correct answer.

	True	False
$17 = 17$		
$39 < 93$		
$53 > 81$		

10. Use the number line.



Is the comparison true or false?

Mark the correct answer.

	True	False
80 is less than 77.		
78 is greater than 72.		
83 is greater than 86.		

11. How can you compare the numbers?

Write $>$, $<$, or $=$.

26 ○ 29

12. How can you compare the numbers?

Write $>$, $<$, or $=$.

51 ○ 51

13. How can you compare the numbers?

Write $>$, $<$, or $=$.

63 ○ 48

Performance Task

- I. Jin's class takes a bus to the history museum.
There are 27 students on the bus.

Part A: There are fewer adults than students on the bus. How many adults might be on the bus?

Part B: 10 people are allowed in an exhibit at one time. Can Jin's entire class go into an exhibit together? Why or why not?

Part C: How might Jin's teacher separate the class into groups so every student can go into an exhibit?

Reflect

What are different ways you can use place value to show and compare numbers?

Unit 3

Fluency Practice

Name _____

Fluency Strategy

You can count on to help you add.

$$4 + 2 = ?$$



So, $4 + 2 = 6$.

1. How can you draw to show how to add $7 + 1$?
Write the number.

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

Fluency Flash

How can you count on to add? Write the number.

2. 
3

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

3. 
5

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

Fluency Check

What number shows a way to put together or break apart? Write the number.

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

6. $7 + \underline{\quad} = 10$

5. $10 = 1 + \underline{\quad}$

7. $5 = 5 + \underline{\quad}$

What is the sum? Count on to add.

8. $6 + 1 = \underline{\quad}$

11. $3 + 2 = \underline{\quad}$

9. $8 + 2 = \underline{\quad}$

12. $7 + 1 = \underline{\quad}$

10. $5 + 2 = \underline{\quad}$

13. $1 + 2 = \underline{\quad}$

Fluency Talk

What are some tools you could use to help you count on to add? Explain.

What are some tools you could use to help you break apart 10?

Addition within 20: Facts and Strategies

Focus Question

What strategies can I use to add?

Hi, I'm C.J.

I want to be a statistician. I asked my friends to pick their favorite sport. Most picked soccer. I want to know how many kids chose other favorite sports. I can use addition to crunch the numbers!

Name _____

Missing Numbers in Shapes

Look at each puzzle. Find the missing numbers.

Puzzle 1







$$\triangle + \triangle = 10$$

Puzzle 2







$$\square + \square = 6$$

Puzzle 3

		10
		5
8	7	

Puzzle 4

		12
		9
8	—	

Relate Counting to Addition



Be Curious

What do you notice?
What do you wonder?



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Math is... **Mindset**

How well do you think
you will understand
today's lesson?

Learn

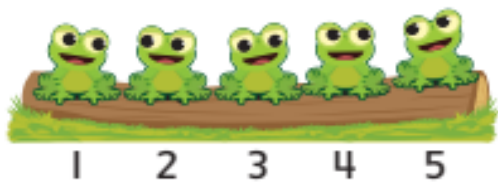
How many frogs are there?

You can count or add to get the total.



Math is... **Modeling**

What is another way to show the frogs?



You can count.



You can **add**.

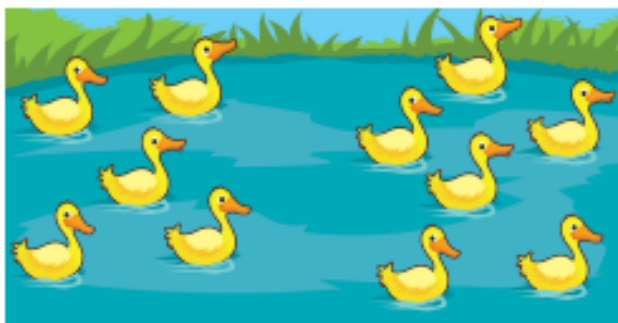
$$5 + 3 = 8$$

There are 8 frogs.

One way to find a **sum** is to add the **addends**.

Work Together

How many ducks? Explain how you can add.



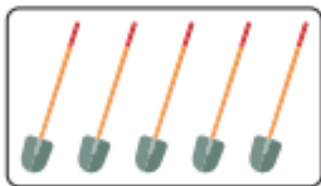
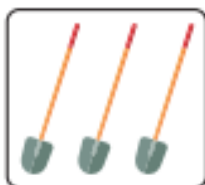
_____ ducks

On My Own

Name _____

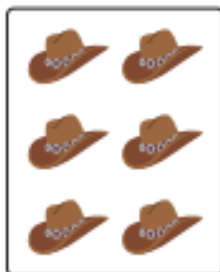
How many? Write the number.

1.



_____ shovels

2.



_____ hats

3.



_____ tigers

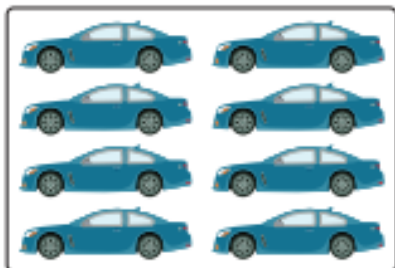
4.



_____ basketballs

How many? Write numbers to match the picture.

5.



_____ + _____ = _____ cars

6. How many books? Write numbers to match the picture.

_____ + _____ = _____ books



7. How many leaves? Write the number.



_____ leaves

8. **Extend Your Thinking** Draw a picture to show how to add $4 + 2$.

Reflect

Why is adding sometimes quicker than counting?

Math is... Mindset

How well have you understood today's lesson?

Count On to Add



Be Curious

What question could you ask?



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Math is... Mindset

What behaviors show that you are an active listener?

Learn

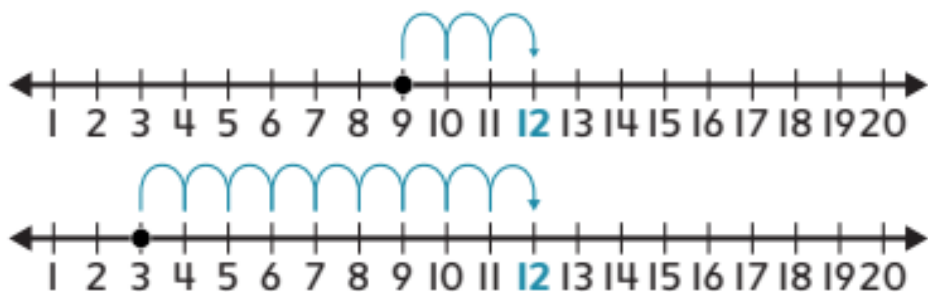
Hadley blows 9 bubbles. Anthony blows 3 bubbles. **How many bubbles do they blow?**

You can use a number line to count on.



Start with one addend. Count on by the other addend.

$$9 + 3 = 12$$



Counting on is quicker when you start with the greater addend.

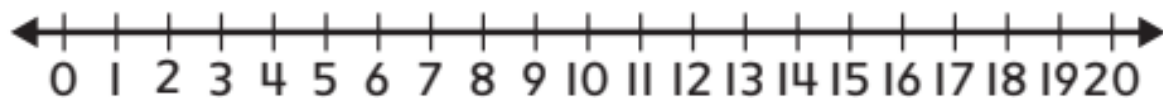
Math is... Choosing Tools

What other tools can you use to find a sum?

Work Together

What is the sum? Use the number line.

$$4 + 13 = \underline{\quad}$$

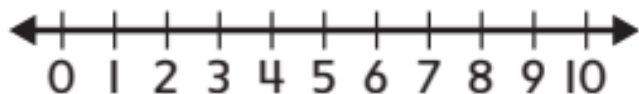


On My Own

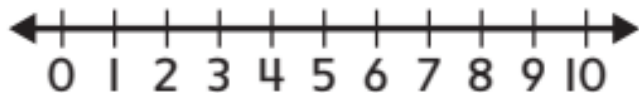
Name _____

How can you count on to add? Write the sum.

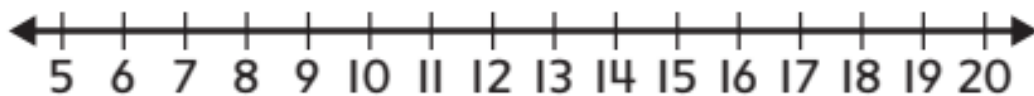
1. $4 + 3 =$ _____



2. $4 + 5 =$ _____



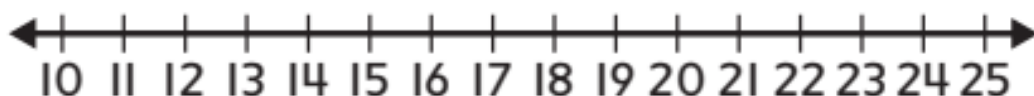
3. $8 + 7 =$ _____



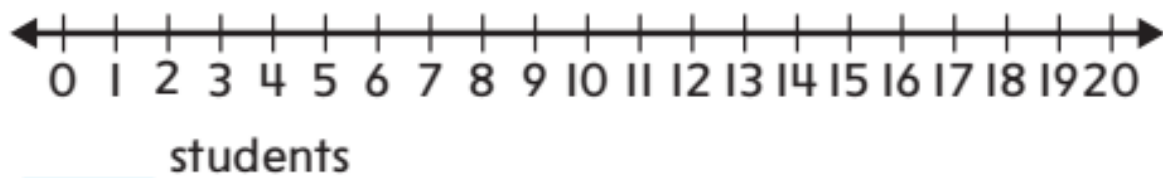
4. $16 + 3 =$ _____



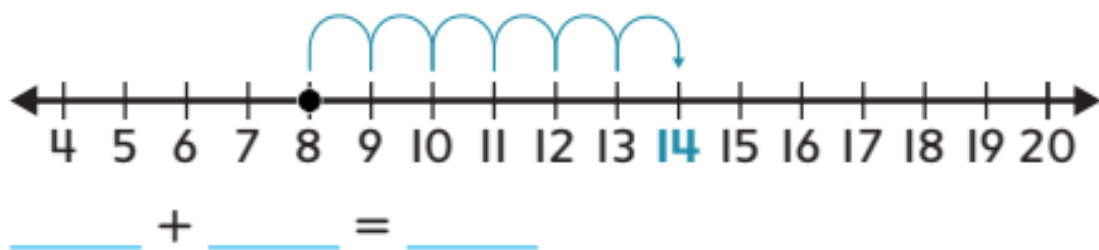
5. $3 + 14 =$ _____



6. In one class, 2 students like baseball. In another class, 9 students like baseball. How many students in both classes like baseball?



7. **Extend Your Thinking** Write the addends and sum that match the number line.



Reflect

How is a number line a useful tool for adding?

Math is... Mindset

How did you show that you were an active listener today?



Be Curious

**What do you notice?
What do you wonder?**



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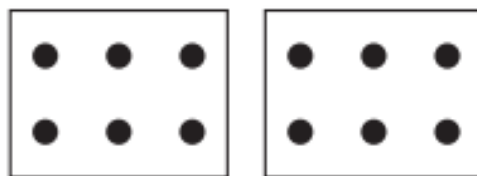
Math is... Mindset

What helps you want to do
your best work?

Learn

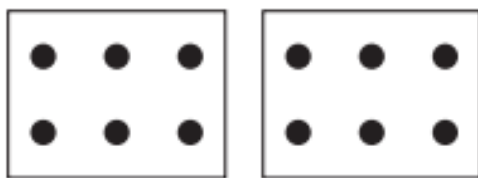
How many dots are there?

You can use **doubles** to add.



There are 6 dots on each card.

Both addends are 6.



$$6 + 6 = 12$$

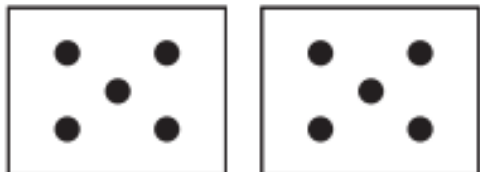
When you use doubles, the two addends are the same.

Math is... Quantities

What does it mean to be a double?

Work Together

How many dots are there? Explain how to add.



_____ dots

On My Own

Name _____

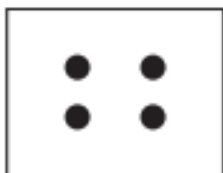
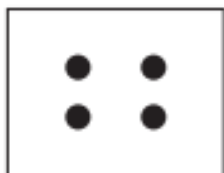
How many dots are there? Write numbers to match the picture.

1.



_____ + _____ = _____

2.



_____ + _____ = _____

What is the sum?

3. $2 + 2 =$ _____

4. $7 + 7 =$ _____

5. $10 + 10 =$ _____

6. $6 + 6 =$ _____

7. **STEM Connection** Jin saw 5 dinosaur bones last year and 5 dinosaur bones this year. How many dinosaur bones did he see?

_____ + _____ = _____ dinosaur bones



8. Tyler eats 2 grapes. Sarah eats 2 grapes. How many grapes do they eat?

_____ + _____ = _____ grapes

9. **Extend Your Thinking** Draw to explain how to add doubles.

Reflect

How do you know when you can use doubles to add?

Math is... **Mindset**

How have you done your best work?

Near Doubles



Be Curious

Tell me everything you can.



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Math is... **Mindset**

What behaviors show that you respect your classmates?

Learn

How many cubes are there?

You can use doubles to help you add.



$$3 + 4 = ?$$

Add $3 + 3 = 6$.

Then add 1 more.

$$3 + 4 = 7$$



Math is... **Patterns**

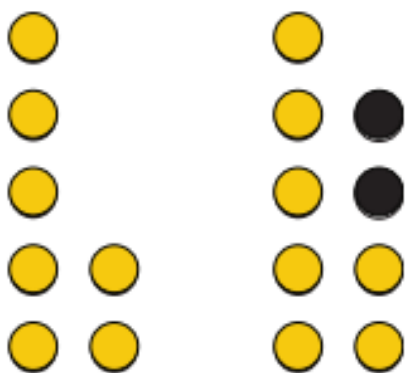
What do you notice when you add 1 or 2 to a double?

$$7 + 9 = ?$$

Add $7 + 7 = 14$.

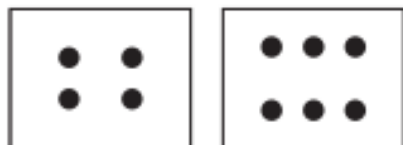
Then add 2 more.

$$7 + 9 = 16$$



Work Together

Use doubles to add. Explain your thinking.



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

On My Own

Name _____

How can you use doubles to add? Write the sum.

1. $4 + 3 =$ _____

2. $6 + 7 =$ _____

3. $5 + 6 =$ _____

4. $7 + 8 =$ _____

5. $3 + 5 =$ _____

6. $5 + 7 =$ _____

7. $7 + 9 =$ _____

8. $4 + 6 =$ _____

9. **STEM Connection** C.J. collects data about players on two teams.

Players	
Bulldogs	8
Pumas	10



How many players are on the two teams?

_____ players

10. **Extend Your Thinking** The coach has 4 baseballs. She gets 5 more baseballs. How many baseballs does the coach have now?

Write an equation to match the problem.

_____ + _____ = _____

Reflect

How do you know when a double can help you add?

Math is... Mindset

How have you shown that you respect your classmates?

Make a 10 to Add



Be Curious

What do you notice?
What do you wonder?



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Math is... Mindset

What feelings do you have about learning math?

Learn

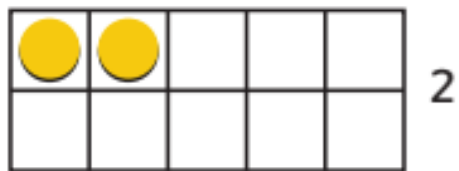
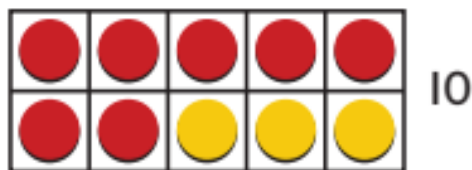
Zoe has 7 markers.
Max has 5 markers.



How many markers do they have?

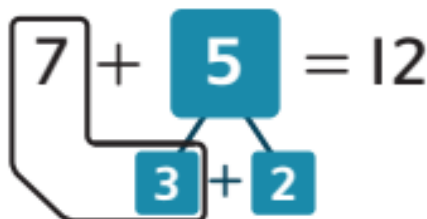
You can make a 10 to add $7 + 5$.

One way is to use ten-frames.



$$10 + 2 = 12$$

Another way is to use **number bonds**.



$$10 + 2 = 12$$

Math is... Connections

Why can you use the sum of $10 + 2$ to find the sum of $7 + 5$?

Work Together

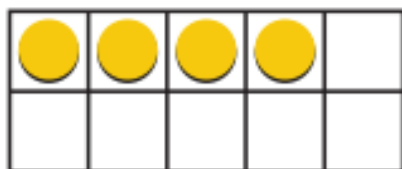
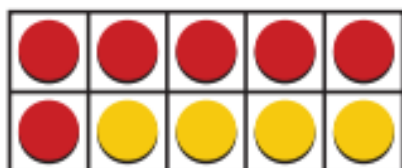
How can you make a 10 to add $3 + 8$? Show your thinking.

On My Own

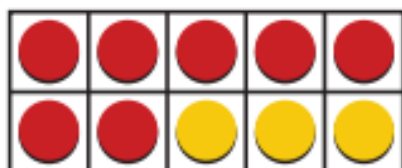
Name _____

What is the sum?

1. $6 + 8 = \underline{\quad}$

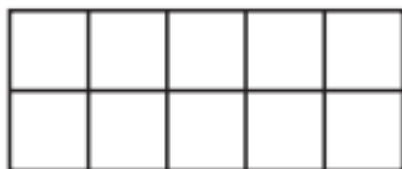


2. $7 + 4 = \underline{\quad}$

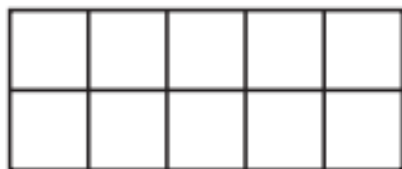


What is the sum? Show how to make a 10 to add.

3. $7 + 8 = \underline{\quad}$



4. $9 + 4 = \underline{\quad}$



5. $8 + 5 = \underline{\quad}$



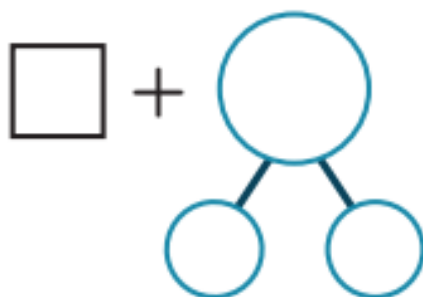
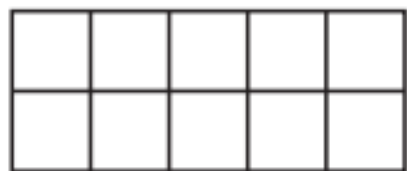
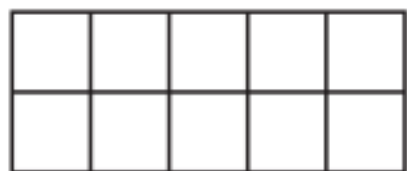
6. $7 + 9 = \underline{\quad}$



7. Beth has 6 baseballs. She finds 9 more baseballs. How many baseballs does she have? Draw to show your thinking.

_____ baseballs

8. **Extend Your Thinking** Show how to add $6 + 7$ in two different ways.



Reflect

How can making a 10 help you add?

Math is... **Mindset**

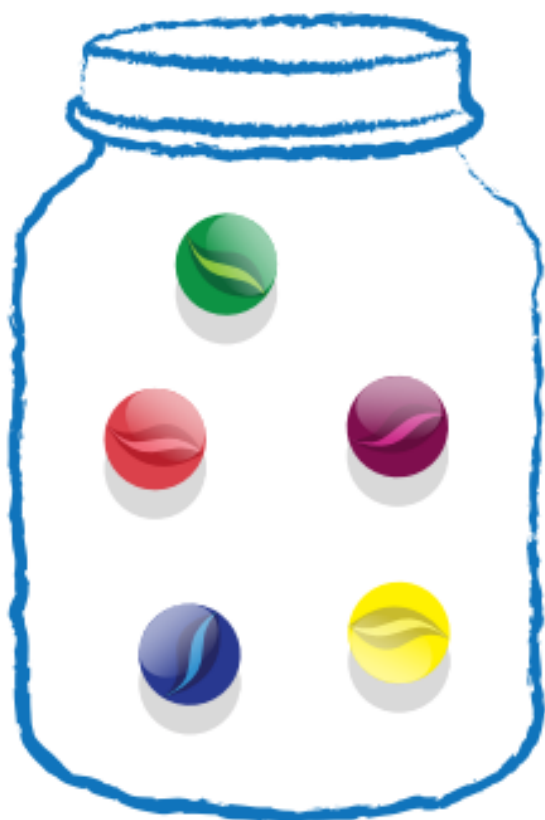
How did you feel about learning math today?

Choose Strategies to Add



Be Curious

What do you notice?
What do you wonder?



Math is... **Mindset**

How can you understand
a problem situation?

Learn

Dan has 6 marbles.

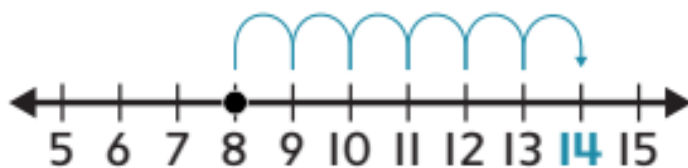
Linda has 8 marbles.

How many marbles do they have in all?

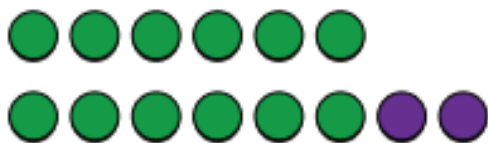
You can add $6 + 8$ in different ways.



You can count on.



You can use doubles.



$$6 + 8 = 14$$

You can make a 10.

$$6 + 8 = 14$$

You can add two numbers in different ways.

Math is... Choosing Tools

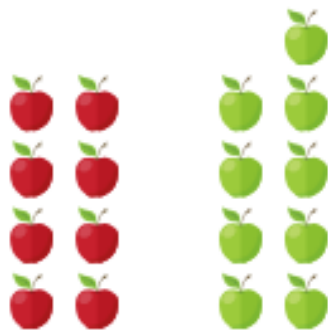
What tools can you use to add?

Work Together

What is the sum of $8 + 9$?

Explain how you added.

_____ apples



On My Own

Name _____

What is the sum? Tell or show how you added.

1. $6 + 7 =$ _____

2. $8 + 9 =$ _____

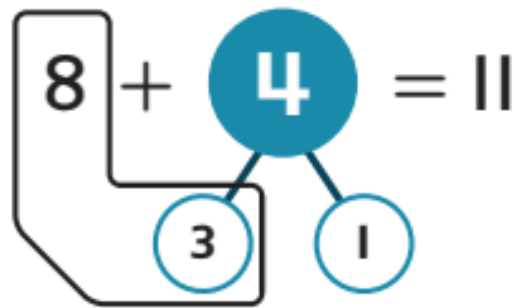
3. $4 + 7 =$ _____

4. $7 + 7 =$ _____

-
5. Evan skis down a hill 9 times. Laura skis down the hill 4 times. How many times do they ski down the hill?

_____ times

6. **Error Analysis** Mel makes a 10 to add $8 + 4$. How can you help Mel fix his mistake? Show or explain your thinking.



7. **Extend Your Thinking** Explain why you chose your strategy for exercise 1.

Reflect

Which way of adding do you think is most useful? Why?

Math is... Mindset

What helped you understand a problem situation?

Use Properties to Add



Be Curious

**How are they the same?
How are they different?**



Math is... Mindset

What helps you feel calm
when you are angry?

Learn

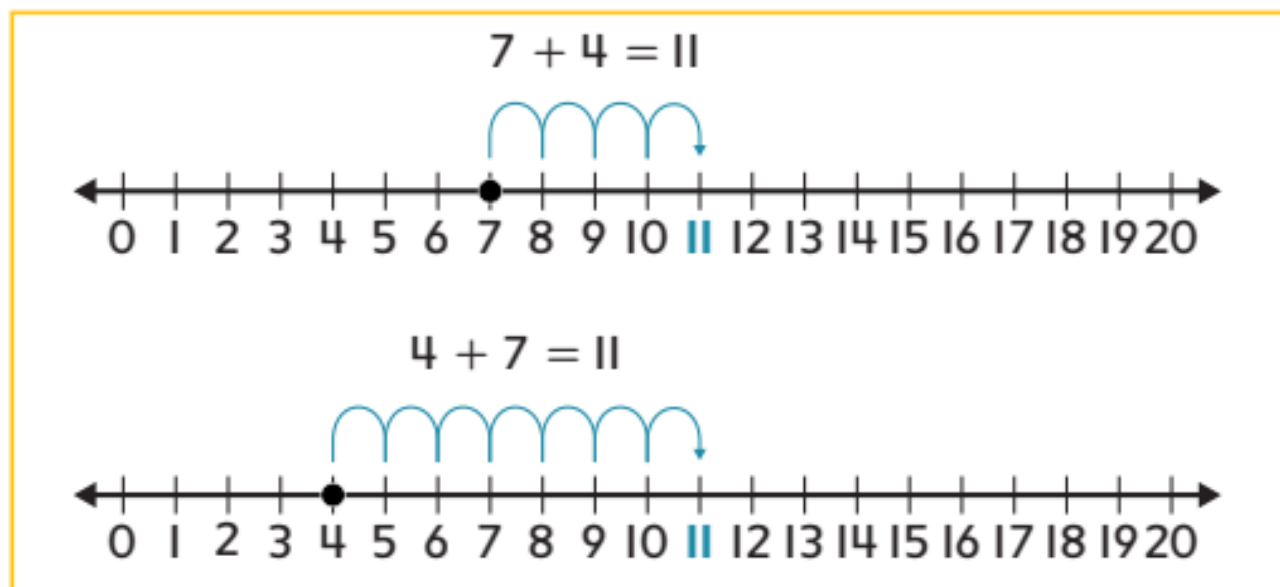
Maya has 7 toy cars.

Joe has 4 toy cars.

How many toy cars do they have in all?



You can add 7 and 4 in any order.



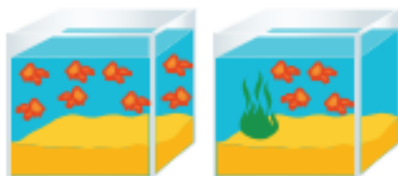
You can add two addends in any order. The sum is the same.

Math is... Choosing Tools

What other tools can you use to add $7 + 4$?

Work Together

How many fish are in the two bowls?
Gene adds $8 + 4$. Toby adds $4 + 8$.
Will their sums be the same?
Explain.



On My Own

Name _____

What is the sum?

1. $5 + 3 =$ _____

$3 + 5 =$ _____

2. $1 + 9 =$ _____

$9 + 1 =$ _____

3. $6 + 7 =$ _____

$7 + 6 =$ _____

4. $2 + 4 =$ _____

$4 + 2 =$ _____

5. Which has the same sum as $3 + 6$?

A. $2 + 6$

B. $4 + 3$

C. $6 + 3$

6. What is another way to add $8 + 1$ that has the same sum? Write the numbers.

_____ + _____

7. **STEM Connection** Erik has 6 sports video games and 4 action video games. How many sports and action games does he have? Write numbers to show two ways to add.

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

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



8. **Extend Your Thinking** Why does $5 + 2$ have the same sum as $2 + 5$? Draw to show your thinking.

Reflect

Why can numbers be added in any order?

Math is... Mindset

How have you calmed yourself when you were angry?

Solving Problems

Name _____

Solve the problem.

1. Sam has 5 crayons. His friend gives him 6 more.
How many crayons does Sam have now?

Circle the correct answer.

5 6 10 11 15 16

Tell or show why.

-
2. Ali has 8 red balloons and 6 blue balloons.
How many balloons does Ali have in all?

Circle the correct answer.

6 8 13 14 16 18

Tell or show why.

3. 4 boys and 9 girls are on the playground.
How many children are on the playground?

Circle the correct answer.

4 9 12 13 14 19

Tell or show why.

Reflect On Your Learning

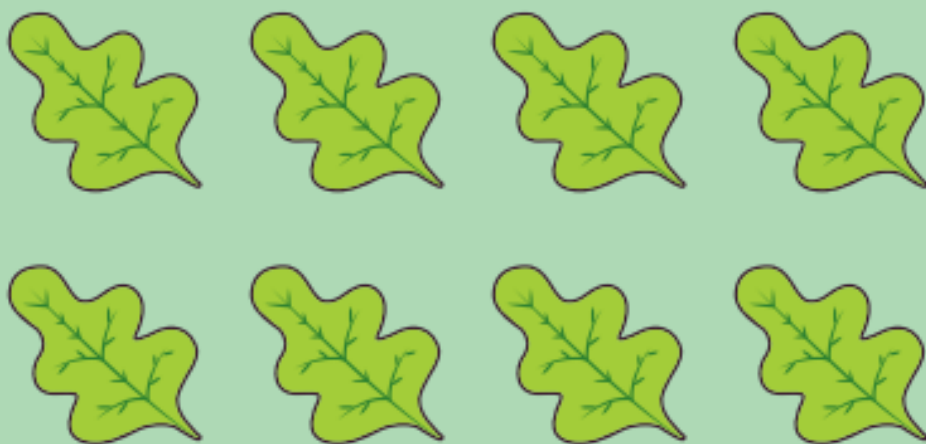


Add Three Numbers



Be Curious

Tell me everything you can.



Math is... Mindset

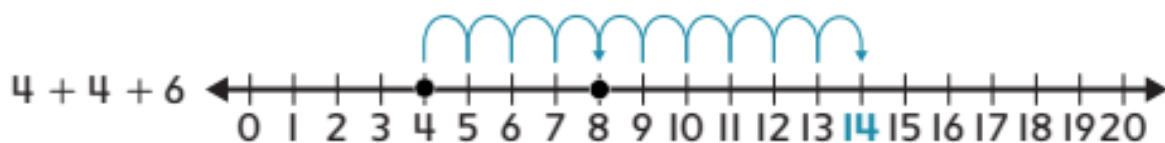
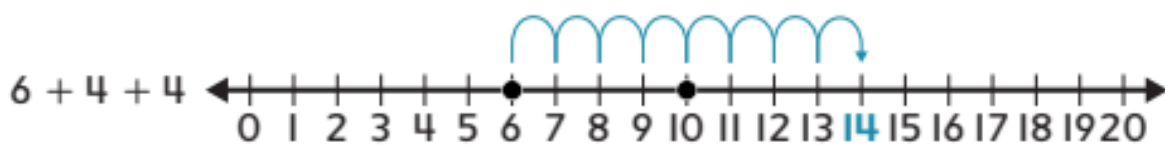
What are some ways you can connect with your classmates?

Learn

Ebony fills 4 bags. Mason fills 6 bags. Raja fills 4 bags.



How many bags do they fill?



You can add three addends in any order. The sum is the same.

Math is... Quantities

How is each part of the problem shown on the number line?

Work Together

Tim has 9 beads. Leah has 1 bead. Sye has 1 bead.

How many beads do they have? _____ beads



On My Own

Name _____

Which groups of leaves will you add first?
Circle the groups. Then write the sum.

1.



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

2.



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

What is the sum?

3. $4 + 1 + 6 = \underline{\quad}$

4. $1 + 2 + 9 = \underline{\quad}$

5. $4 + 8 + 2 = \underline{\quad}$

6. $8 + 6 + 6 = \underline{\quad}$

7. **Error Analysis** Rainn has 8 brown leaves, 7 orange leaves, and 1 red leaf. Rainn says he has 15 leaves. How can you help Rainn add his leaves?



8. Emma has 4 footballs, Ken has 9 footballs, and Aki has 4 footballs. How many footballs do they have?
_____ footballs

9. **Extend Your Thinking** What are two other ways to order the addends $3 + 7 + 3$ to find their sum?

Reflect

How can you decide how to add three numbers?

Math is... **Mindset**

How did you connect with your classmates today?

Find an Unknown Number in an Addition Equation



Be Curious

Todd has some pieces of fruit in a bowl.
His mom puts more in.
Now there are more pieces of fruit.
How many did Todd's mom put in?

Math is... **Mindset**

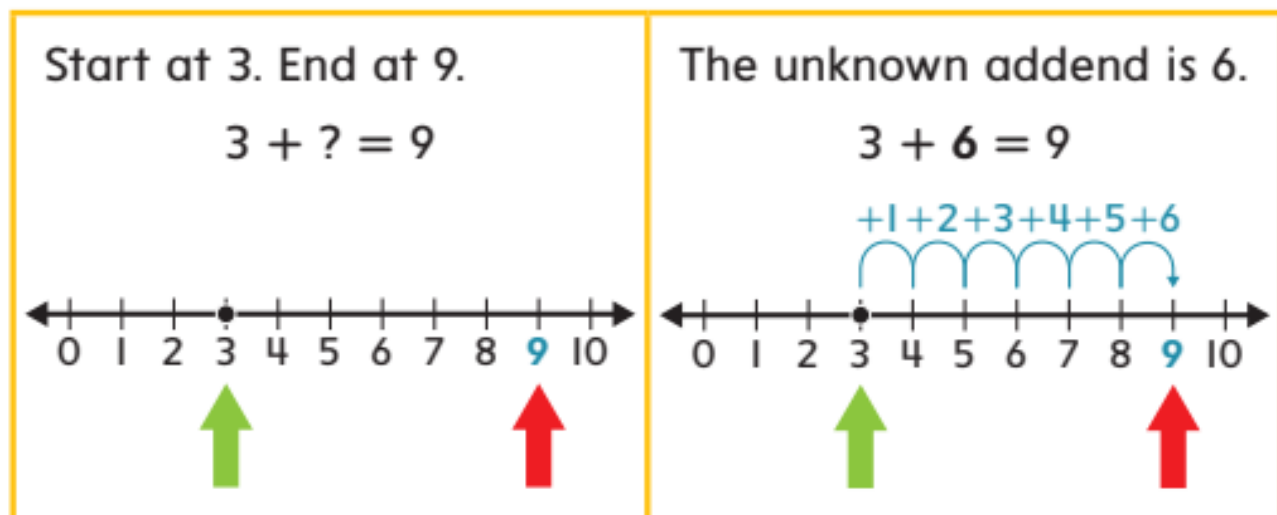
What helps you solve a problem?

Learn

Todd has 3 pieces of fruit in a bowl. His mom puts more in. Now there are 9 pieces of fruit. **How many pieces of fruit did Todd's mom put in?**



You can find the **unknown** addend.



You can use one addend and the sum to find an unknown addend.

Math is... Making Sense

How do you know to add to show the problem?

Work Together

Ama has 7 crayons.
Jack gives her some crayons.
Now Ama has 12 crayons.



How many crayons does Jack give her?

_____ crayons

On My Own

Name _____

What is the unknown addend?

1. $5 + \underline{\quad} = 8$

2. $6 + \underline{\quad} = 16$

3. $\underline{\quad} + 8 = 17$

4. $\underline{\quad} + 6 = 12$

5. $8 + \underline{\quad} = 12$

6. $\underline{\quad} + 9 = 18$

7. $10 + \underline{\quad} = 20$

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

9. STEM Connection C.J. counts 8 points scored. Then he counts some more points. He counts 15 points in all. How many more points did he count?



Which matches the problem?
Circle your answer.

$$8 + 15 = ? \qquad 8 + ? = 15$$

What is the unknown addend?

C.J. counts _____ more points.

10. Extend Your Thinking Draw a picture to show $3 + ? = 12$.

Reflect

How can you find the unknown addend when you know the other addend and the sum?

Math is... Mindset

How have you solved a problem?

Understand the Equal Sign



Be Curious

What do you notice?
What do you wonder?



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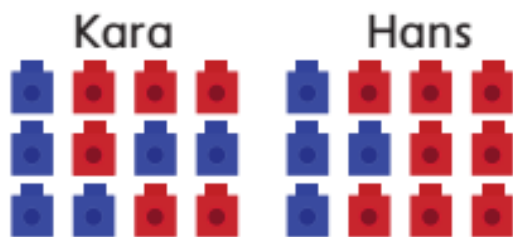
Math is... Mindset

What helps you stay
focused on your work?

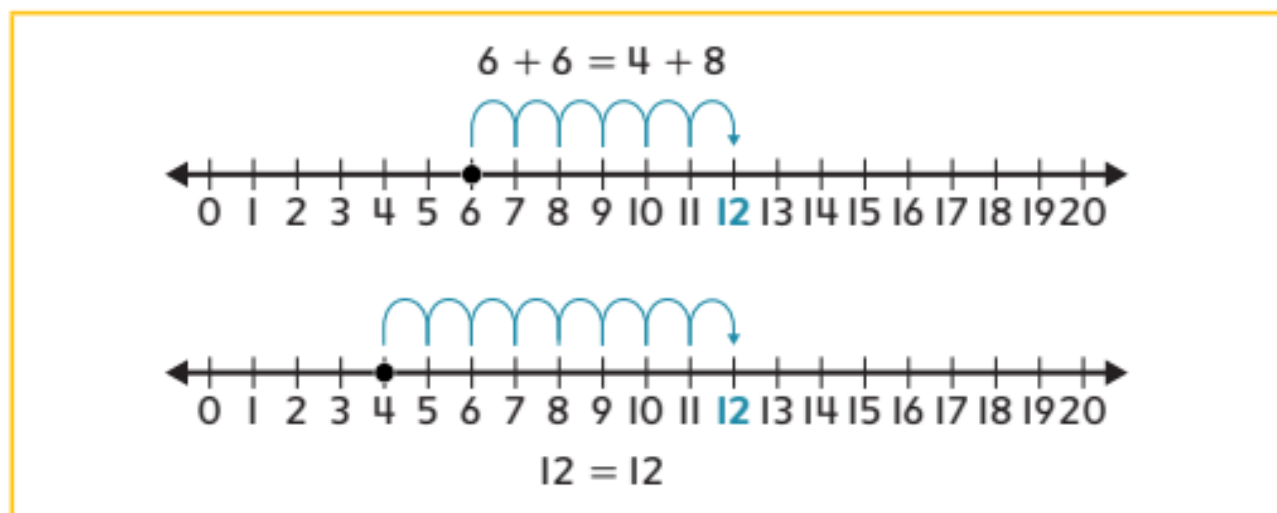
Learn

Kara has 6 blue cubes and 6 red cubes.

Hans has 4 blue cubes and 8 red cubes.



How can you show that Kara and Hans have an equal number of cubes?



The **equal sign (=)** means the amounts on both sides are equal.

Math is... Connections

How do the number lines show that $6 + 6$ is equal to $4 + 8$?

Work Together

John has 7 orange erasers and 3 purple erasers.



Mia has 4 orange erasers and 6 purple erasers.



How can you show that John and Mia have an equal number of erasers?

On My Own

Name _____

Are the amounts the same? Write numbers to match the pictures.

1. Akiko has 3 orange marbles and 8 blue marbles.



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

- Tom has 5 orange marbles and 6 blue marbles.



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

2. Nick has 6 red cars and 4 yellow cars.



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

- Sue has 5 red cars and 5 yellow cars.



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

3. **Error Analysis** Milo says he has more pencils than Ree.



How can you show Milo that he has the same number of pencils as Ree?

4. **Extend Your Thinking** Draw a picture to show that $8 + 8 = 10 + 6$ is true.

Reflect

When would you use an equal sign?

Math is... Mindset

What helped you stay focused on your work?

True Addition Equations



Be Curious

Is it always true?

$$2 + 3 = 4 + 1$$

Math is... Mindset

How can you show you understand how others are feeling?

Learn

Is this true or false? $7 + 2 \stackrel{?}{=} 4 + 3$

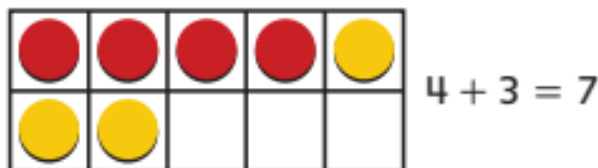
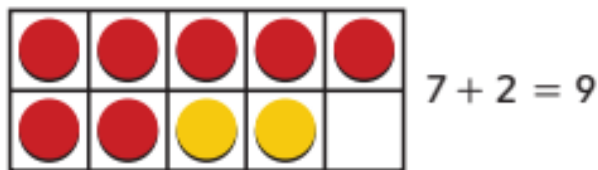
You can compare the amounts to show if the **equation** is true or false.

$$8 + 7 \stackrel{?}{=} 11 + 4$$



This equation is true.

$$7 + 2 \stackrel{?}{=} 4 + 3$$



This equation is false.

An equation is true when the amounts on both sides are equal.

Math is... Choosing Tools

What is another tool you could use?

Work Together

Is this equation true or false? Explain.

$$5 + 3 \stackrel{?}{=} 2 + 6$$

On My Own

Name _____

Is the equation True or False? Circle the answer.

1. $3 + 6 = 9$

True False

2. $9 + 2 = 17$

True False

3. $6 + 8 = 10 + 4$

True False

4. $8 = 7 + 1$

True False

5. $9 + 9 = 8 + 9$

True False

6. $2 + 7 = 5 + 3$

True False

7. Is the equation $2 + 9 = 7 + 4$ true? Write Yes or No.

8. Error Analysis Lila says the equation $8 + 3 = 6 + 5$ is false. Do you agree? Show your thinking.

9. Dan says the equation $5 + 3 = 2 + 7$ is true. Rami says it is false. Is it true or false? Show your thinking.

10. Extend Your Thinking What numbers make the equations true? Write numbers to make two different true equations.

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

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

Reflect

How can you decide if an equation is true?

Math is... Mindset

How have you shown you understood how others were feeling?

Unit Review

Name _____

Vocabulary Review

Use the vocabulary to complete each sentence.

addend

doubles

equal sign

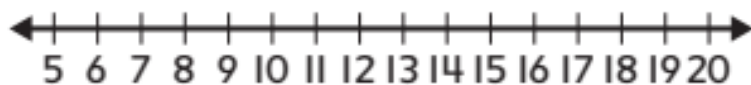
equation

unknown

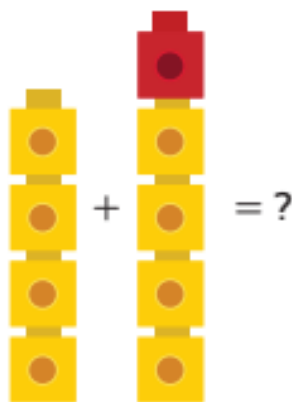
1. An addition _____ includes an equal sign (=).
2. A missing number in an equation is the _____.
3. The amounts on both sides of an _____ are equal.
4. An _____ is any number being added to another number.
5. Two addends that are the same number are _____.

Review

6. Janet has 9 sweaters. She buys 5 more sweaters. How many sweaters does Janet have now? Count on to add.



- A. 11 B. 13
C. 14 D. 17
7. A farm has 12 cows and 6 roosters. How many total cows and roosters are there?
- A. 6 B. 14
C. 15 D. 18
8. Which doubles fact helps you solve the addition problem shown in the picture?



- A. $2 + 2 = 4$ B. $3 + 3 = 6$
C. $1 + 1 = 2$ D. $4 + 4 = 8$

9. How many more triangles are needed to make a 10?



- A. 3 B. 4
C. 6 D. 7

10. Mac makes 9 baskets. Raul makes 6 baskets. Mac says $9 + 6 = 15$ shows how many baskets they make in all. What is another way to show how many baskets they make?

- A. $6 + 9 = 15$ B. $6 + 15 = 9$
C. $9 + 9 = 15$ D. $9 + 15 = 6$

11. Choose the missing number in each number sentence.

	0	1	2	3
$12 + ? = 15$				
$8 = 7 + ?$				
$16 = 14 + ?$				
$? + 11 = 11$				

Performance Task

A statistician records the numbers of times he picks two dominos with the same sum.

On the first round, he picks these dominos.



Part A: Do the dominoes have the same sum? Explain.

Part B: Draw a domino that has the same sum as the one below. Then write an equation comparing the sums.



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

Part C: If you flip the domino around, does the sum change? Explain.

Reflect

What strategies can I use to add?

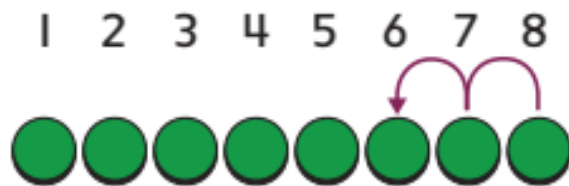
Fluency Practice

Name _____

Fluency Strategy

You can count back to help you subtract.

$$8 - 2 = ?$$



So, $8 - 2 = 6$.

1. How can you draw counters and a jump or jumps to show $5 - 1$? Write the number.

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

Fluency Flash

How can you count back to subtract?

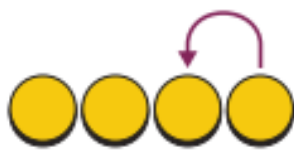
Write the number.

2.



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

3.



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

Fluency Check

What number shows a way to put together or break apart? Write the number.

4. $8 + \underline{\quad} = 10$

6. $10 = \underline{\quad} + 6$

5. $10 = 5 + \underline{\quad}$

7. $1 + \underline{\quad} = 10$

What is the sum or difference? Write the number.

8. $8 - 1 = \underline{\quad}$

12. $5 + 2 = \underline{\quad}$

9. $4 + 1 = \underline{\quad}$

13. $4 - 2 = \underline{\quad}$

10. $4 + 2 = \underline{\quad}$

14. $9 - 1 = \underline{\quad}$

11. $6 - 2 = \underline{\quad}$

15. $6 + 1 = \underline{\quad}$

Fluency Talk

How can you count back to subtract $7 - 2$?
Show and explain your work.

When would you use counting on in a problem?
How is it the same and different from counting back?

Subtraction within 20: Facts and Strategies

Focus Question

What strategies can I use to subtract?

Hi! I'm Jordan!

I want to be an animal trainer. Some animal trainers work at zoos. They make sure the animals get the right amount of food. How much do you think an elephant eats? Chow down, fellas!



STEM
video

GO
ONLINE

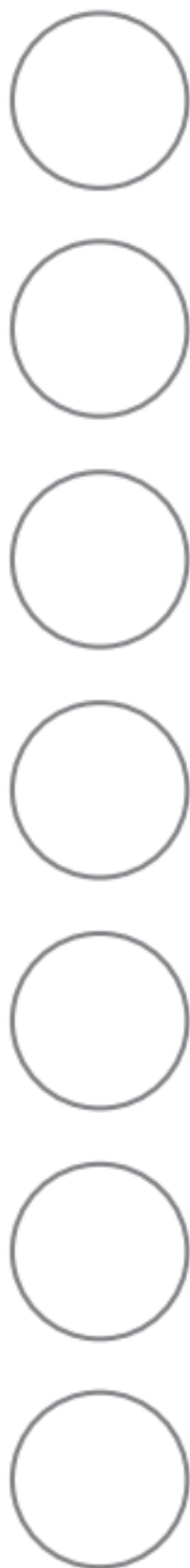
Name _____

Take the Last Counter

Rules

1. Place 1 counter on each of the 7 circles.
2. Player A goes first.
Player A must take away 1 or 2 counters from the circles, starting from the top.
3. Player B must now take away 1 or 2 counters from those that are left, from the top.
4. Play continues with each player taking turns to take away 1 or 2 counters from the circles.
5. The player to take away the last counter wins.

(A player may win by taking away 2 counters on the last turn.)



Relate Counting to Subtraction



Be Curious

What do you notice?
What do you wonder?



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Math is... **Mindset**

What helps you make good decisions?

Learn

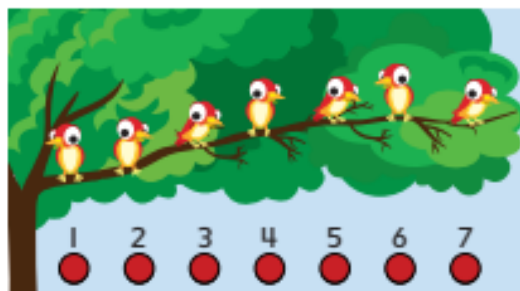
7 birds are in a tree.
2 fly away.

How many birds are left?

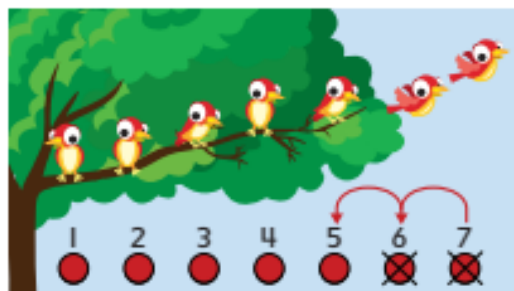


You can count back to **subtract**.

7 birds are in a tree.



2 birds fly away.



$$7 - 2 = 5$$

One way to subtract is to count back from the **total** to find the **difference**.

Math is... Connections

What does each counter left show?

Work Together

There are 9 fish.
3 fish swim away.
How many fish are left?

_____ fish



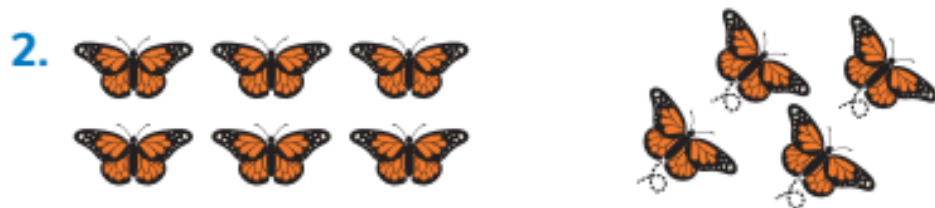
On My Own

Name _____

How many are left? Solve the equation.



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



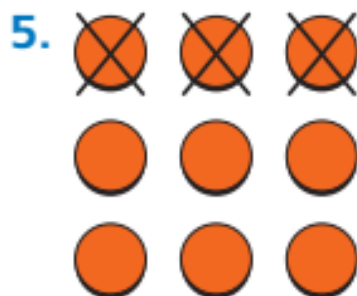
$$10 - 4 = \underline{\quad}$$



$$11 - 2 = \underline{\quad}$$

What equation matches the picture?

Complete the equation.



$$12 - \underline{\quad} = \underline{\quad}$$

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

6. **Extend Your Thinking** Draw a picture to show how to subtract $10 - 7$.

Reflect

How is counting back like subtracting?

Math is... Mindset

How can you know that you made good decisions?

Count Back to Subtract



Be Curious

What do you notice?
What do you wonder?



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Math is... Mindset

Why is it important to speak clearly and concisely?

Learn

There are 12 bottles.

Bo knocks down 5 bottles.

How many bottles are still standing?



A number line can help you count back to subtract.

- ▶ **One Way** Start at 12.
Count back **by** 5.
 $12 - 5 = 7$

Math is... Quantities
Why do you start at 12?



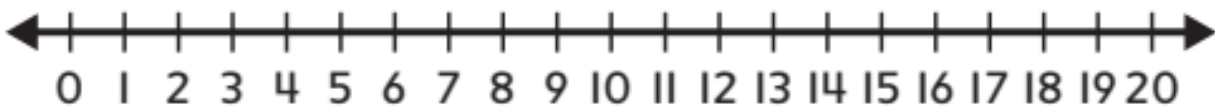
- ▶ **Another Way** Start at 12.
Count back **to** 5.
 $12 - 5 = 7$



You can count back to subtract.

Work Together

How can you count back to subtract $18 - 5$?
Use the number line.



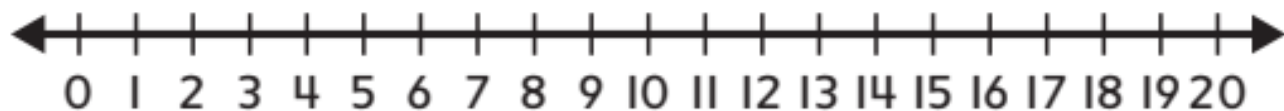
On My Own

Name _____

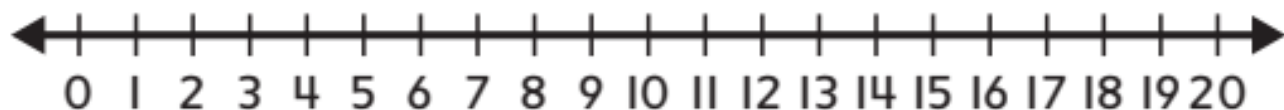
How can you count back to subtract?

Use the number line. Write the difference.

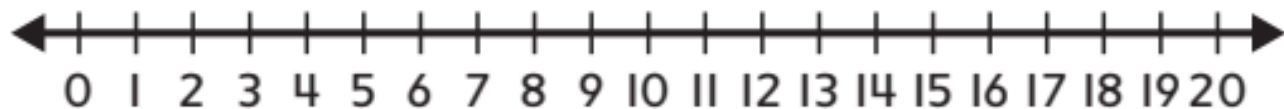
1. $9 - 3 =$ _____



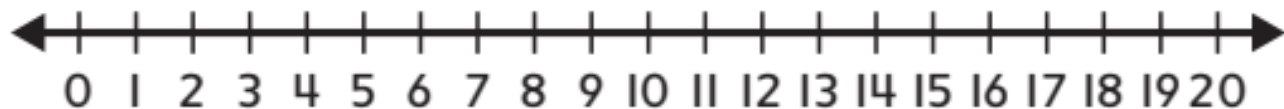
2. $11 - 4 =$ _____



3. $12 - 7 =$ _____



4. $14 - 8 =$ _____



What is the difference?

5. $13 - 9 =$ _____

6. $19 - 6 =$ _____

7. **STEM Connection** C.J. asks 17 students to say their favorite pet. 3 students answer C.J. How many students did not answer?

_____ students



8. **Extend Your Thinking** Tell or show how to use a number line to subtract $13 - 8$.

Reflect

How do number lines help you subtract?

Math is... Mindset

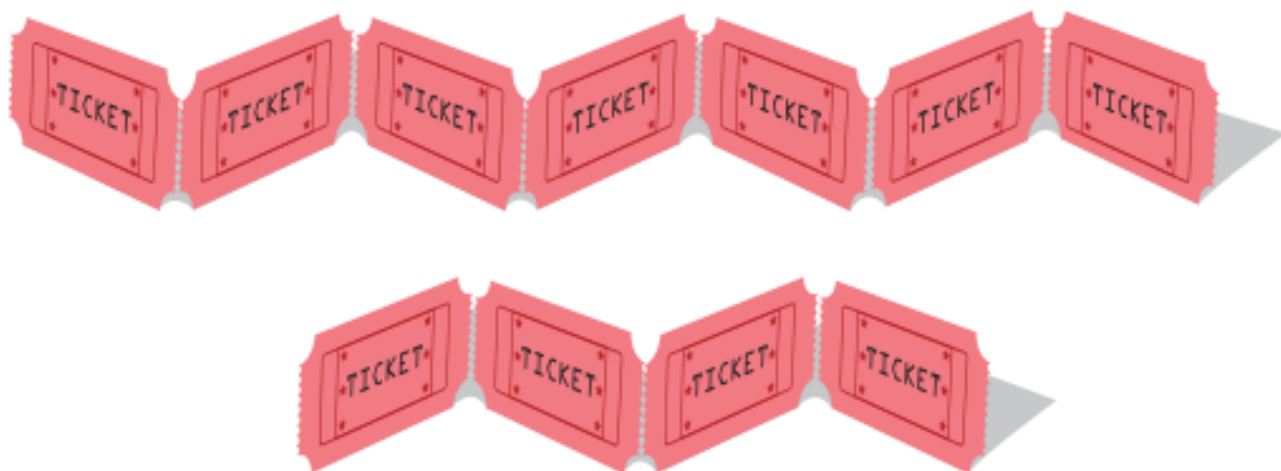
How did speaking clearly and concisely help you share your ideas?

Count On to Subtract



Be Curious

What question could you ask?



Math is... Mindset

How can your strengths help you learn today?

Learn

How can you subtract $15 - 9$?



You can count on to subtract.

Start at 9. Count on to 15.

$$15 - 9 = 6$$



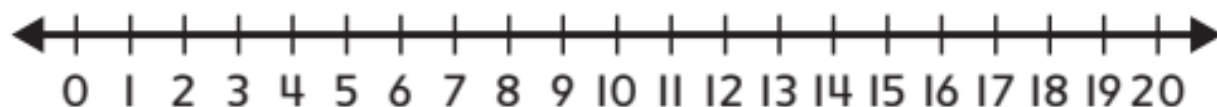
Math is... **Connections**

What other operation could you use?

Work Together

How can you count on to subtract $12 - 7$?

Use the number line.

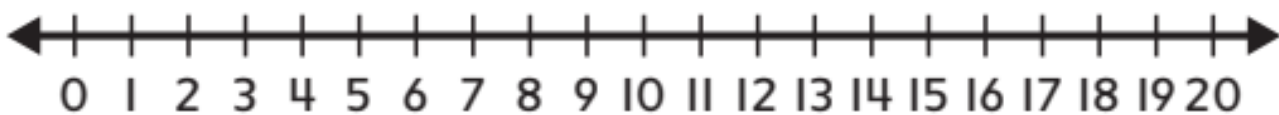


On My Own

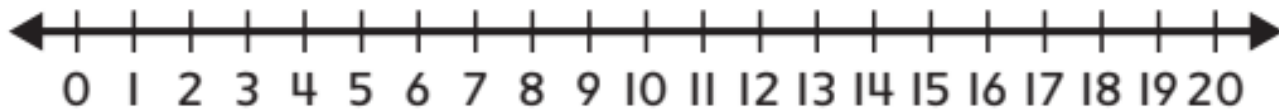
Name _____

How can you count on to subtract? Use the number line. Write the difference.

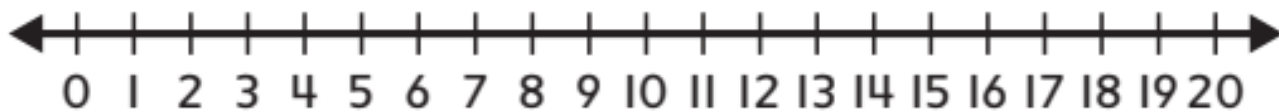
1. $9 - 6 =$ _____



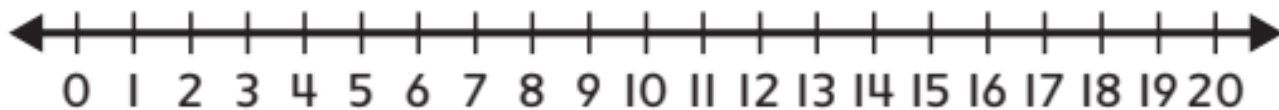
2. $13 - 8 =$ _____



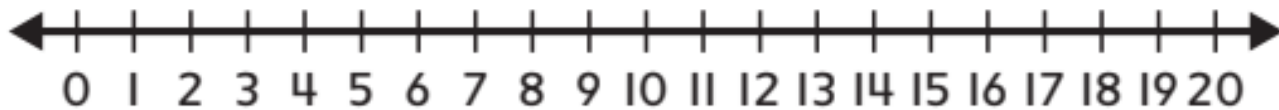
3. $11 - 5 =$ _____



4. $14 - 9 =$ _____



5. $16 - 7 =$ _____



What is the difference?

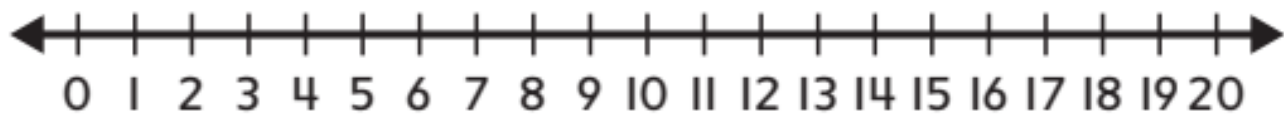
6. $12 - 9 =$ _____

7. $14 - 7 =$ _____

8. Gehrman has 16 action figures. He gives 4 to his friend. How many action figures does he have left?

_____ action figures

9. **Extend Your Thinking** How can you use a number line to count on to find a difference? Show an example.



Reflect

How is counting on to subtract like counting on to add?

Math is... Mindset

How did your strengths help you learn today?

Make a 10 to Subtract



Be Curious

Tell me everything you can.



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Math is... **Mindset**

How can different ideas help you learn better?

Learn

Ray has 13 toy planes. He gives 5 to Cia.

How many toy planes does Ray have left?



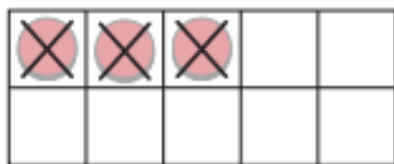
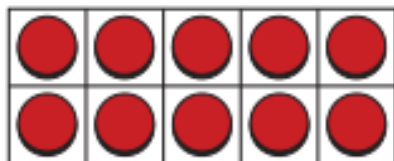
You can make a 10 to subtract.

$$13 - 5 = ?$$

Break apart 5 to make a 10.

$$5 = 3 + 2$$

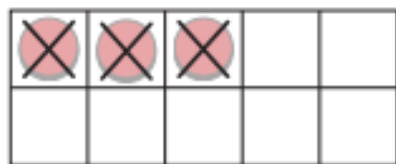
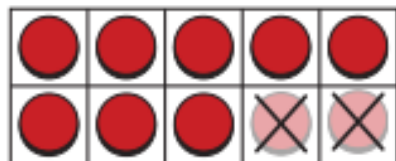
$$13 - 3 = 10$$



$$13 - 3 = 10$$

Then subtract 2.

$$10 - 2 = 8$$



Ray has 8 toy planes.

Math is... Thinking

What do the 3 and 2 represent?

One way to subtract is to make a 10.

Work Together

How can you make a 10 to subtract $17 - 8$?

On My Own

Name _____

How can you make a 10 to subtract?

Solve the equation.

1. $15 - 8 = \underline{\quad}$

2. $14 - 6 = \underline{\quad}$

3. $12 - 8 = \underline{\quad}$

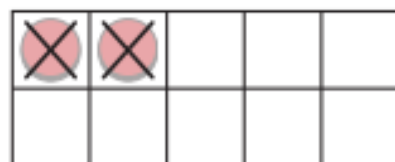
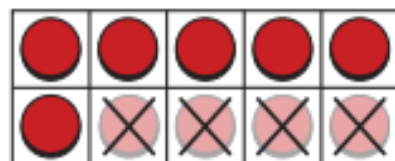
4. $11 - 4 = \underline{\quad}$

What is the difference?

5. $16 - 7 = \underline{\quad}$

6. $13 - 8 = \underline{\quad}$

7. **Error Analysis** Jorge uses ten-frames to subtract $12 - 5$. How can you help him find the difference?



$$12 - 2 = 10$$

$$10 - 4 = 6$$

8. **Extend Your Thinking** There are 14 boats. 7 boats sail away. How many boats are left? Make a 10 to find the difference. Then solve a different way. Show your work.

_____ boats

Reflect

How can making a 10 help you solve a subtraction equation?

Math is... Mindset

How have different ideas helped you learn better?

Use Near Doubles to Subtract



Be Curious

**How are they the same?
How are they different?**



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Math is... Mindset

What other ways can you think of to solve a problem?

Learn

Jana has 14 crayons. She gives 6 crayons to her friend.

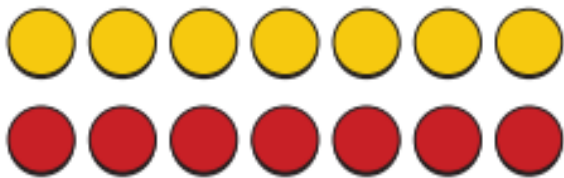
How many crayons does Jana have left?



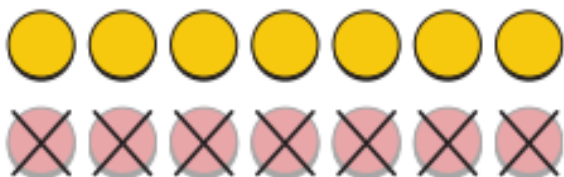
You can use doubles to help you subtract.

Doubles

$$7 + 7 = 14$$

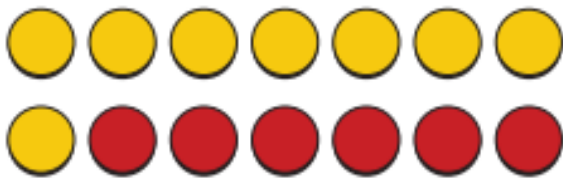


So, $14 - 7 = 7$.

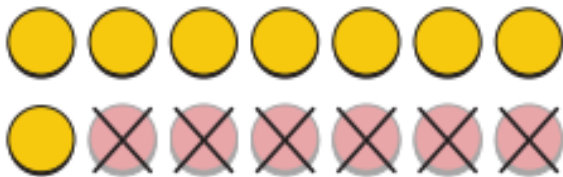


Near Doubles

$$8 + 6 = 14$$



So, $14 - 6 = 8$.



One way to subtract is to use doubles and near doubles.

Math is... Modeling

What do the counters represent?

Work Together

Micha has 16 markers. He gives 9 markers to Tom.
How many markers does Micha have left?
Use doubles to solve. Show your thinking.

On My Own

Name _____

What is the difference? Write a double to help you subtract.

1. $12 - 6 =$ _____

2. $8 - 4 =$ _____

3. $18 - 9 =$ _____

4. $10 - 5 =$ _____

What is the difference? Explain how you used a double to help you subtract.

5. $12 - 7 =$ _____

6. $11 - 5 =$ _____

7. **STEM Connection** Jordan sees 12 dolphins at the zoo. 6 dolphins are swimming and the rest are sleeping. How many dolphins are sleeping?

_____ dolphins



8. Rajesh draws 9 pictures. He gives 5 pictures to his friends. How many pictures does Rajesh have now?

_____ pictures

9. **Extend Your Thinking** Explain how you can use doubles to help you subtract $10 - 6$.

Reflect

What ways have you learned so far to subtract?

Math is... Mindset

What ways have you used to solve a problem?

Use Addition to Subtract



Be Curious

What do you notice?
What do you wonder?



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Math is... Mindset

What can you do today to help build a good relationship with a classmate?

Learn

Bea has 15 toy horses. She gives 7 toy horses to Max.

How many toy horses does Bea have now?



You can use addition to help you subtract.

$$15 - 7 = ?$$

Write an addition equation with an **unknown addend**.

$$7 + ? = 15$$

Find the unknown addend.



$$7 + 8 = 15, \text{ so } 15 - 7 = 8.$$

You can write a subtraction equation as an unknown addend equation.

Math is... Structure

How is subtraction like addition?

Work Together

How can you add to subtract $12 - 8$?
Show your work.

On My Own

Name _____

How can you use the addition equation to help you subtract? Write the difference.

1. $8 + 7 = 15$, so

$15 - 8 = \underline{\quad}$.

2. $3 + 6 = 9$, so

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

What addition equation can help you subtract?
Write the addition equation. Write the difference.

3. $11 - 5 = \underline{\quad}$

4. $15 - 8 = \underline{\quad}$

5. $9 - 4 = \underline{\quad}$

6. $12 - 6 = \underline{\quad}$

7. $13 - 9 = \underline{\quad}$

8. $14 - 5 = \underline{\quad}$

9. **STEM Connection** C.J. asks 16 friends to name their favorite baseball team. 9 friends answer. How many friends did not answer?

_____ friends



10. **Extend Your Thinking** How you can add to help you subtract $13 - 8$?

Reflect

How can you use addition to subtract?

Math is... Mindset

How were you able to build a good relationship with a classmate today?

Showing Problems with Equations

Name _____

1. Mari has 11 flowers. Her friend gives her 6 more flowers. How many flowers does Mari have now?

Show the problem using the ten-frames.

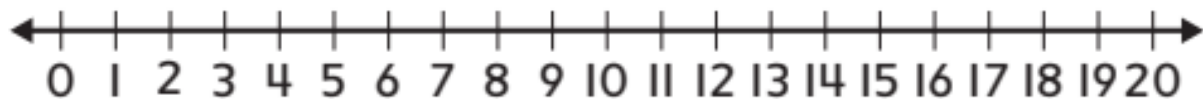
Circle the equation that shows the problem.

$11 + 6 = \underline{\quad}$ OR $11 - 6 = \underline{\quad}$

Tell or show why you chose that equation.

2. Sarah holds 13 balloons. Then 5 balloons float away. How many balloons does Sarah have now?

Show the problem using the number line.



Circle the equation that shows the problem.

$13 - 5 = \underline{\quad}$ OR $13 + 5 = \underline{\quad}$

Tell or show why you chose that equation.

Reflect On Your Learning



Use Fact Families to Subtract



Be Curious

**How are they the same?
How are they different?**



Math is... Mindset

What helps you stay focused on your work?

Learn

How can you make equations using these numbers?



You can use a **fact triangle** to make **related facts**.

The facts in a **fact family** all use the same three numbers.

$$5 + 3 = 8$$

$$3 + 5 = 8$$

$$8 - 5 = 3$$

$$8 - 3 = 5$$



You can use a related fact to complete an equation.

Math is... Explaining

How are the numbers in the fact triangle related?

Numbers in a fact triangle are related.

Work Together

How can you use a related fact to complete the equation?

$$15 - ? = 6$$

On My Own

Name _____

Complete the related facts for the fact triangle.

1.



$$7 + \underline{\quad} = 12$$

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

$$12 - \underline{\quad} = 5$$

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

2.



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

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

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

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

What is the fact family for the fact triangle?
Write the facts.

3.



4.



What two facts complete the fact family?

Write the two facts.

5. $6 + 7 = 13$

$7 + 6 = 13$

6. $9 + 2 = 11$

$11 - 9 = 2$

7. **Error Analysis** Brenda says different numbers can complete the fact triangle. Do you agree? Explain.



8. **Extend Your Thinking** The greatest number in a fact family is 7. What could the fact family be?

Reflect

How can you make a fact triangle?

Math is... **Mindset**

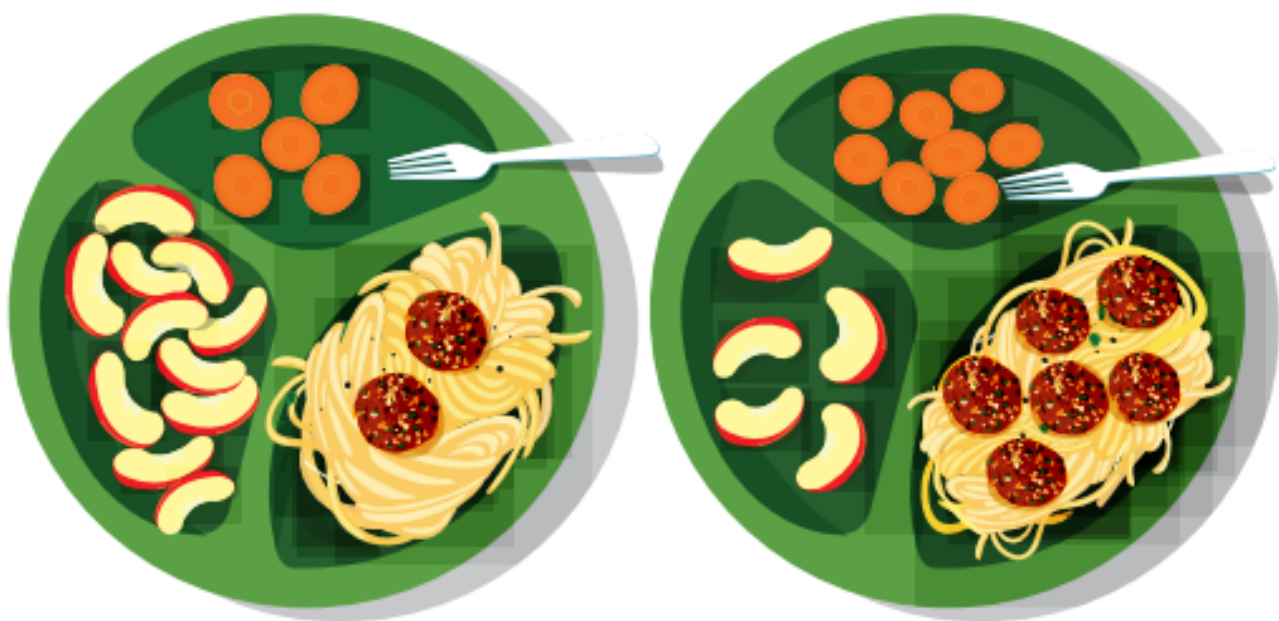
What helped you stay focused on your work?

Find an Unknown Number in a Subtraction Equation



Be Curious

**How are they the same?
How are they different?**



Math is... **Mindset**

How can you show respect
for your classmates?

Learn

Liz had 14 trading cards. She lost some cards. Now she has 8 trading cards.



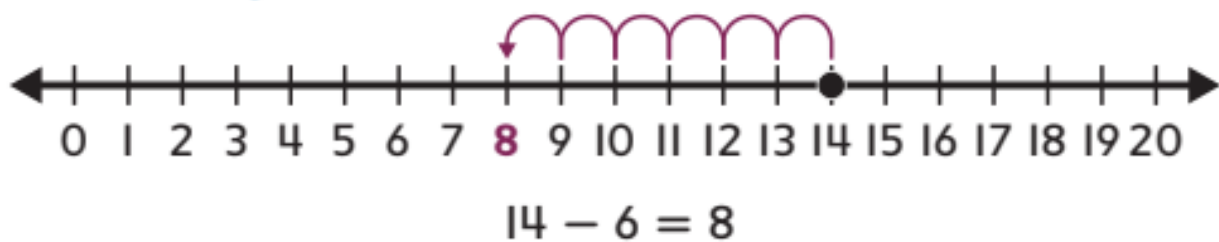
How many cards did Liz lose?

You can solve $14 - ? = 8$ in different ways.

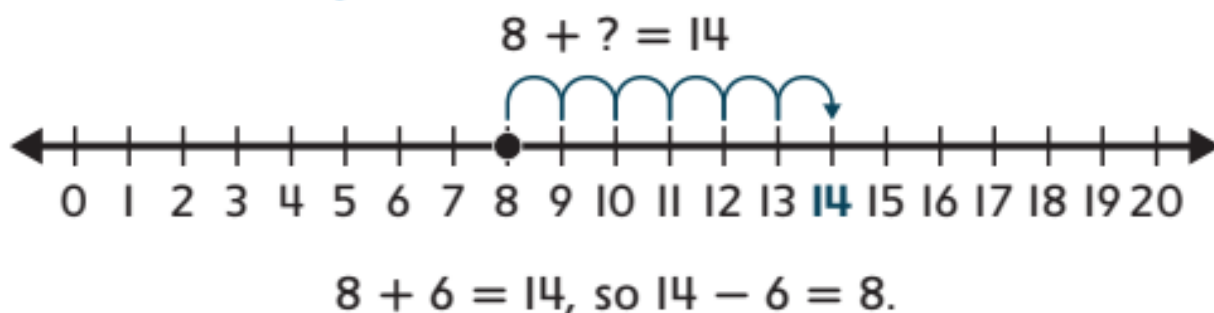
Math is... Structure

How can you check to make sure your solution is correct?

▶ **One Way** is to count back.



▶ **Another Way** is to think addition.



You can use strategies you know to solve equations.

Work Together

Solve the equation in more than one way.
Show your thinking.

$$9 = 17 - ?$$

On My Own

Name _____

How can you complete the equation?

Tell or show how you solved.

1. $12 - \underline{\quad} = 4$

2. $16 - \underline{\quad} = 7$

3. $6 = 15 - \underline{\quad}$

4. $\underline{\quad} = 11 - 3$

5. $11 - \underline{\quad} = 7$

6. $\underline{\quad} = 20 - 9$

- 7. Error Analysis** Tony uses a number line to solve $15 - ? = 11$. He says the unknown number is 6. Do you agree? Explain.



- 8. Extend Your Thinking** Show two ways to solve $12 - ? = 5$. Explain your thinking.

Reflect

How do you choose how to solve subtraction equations?

Math is... **Mindset**

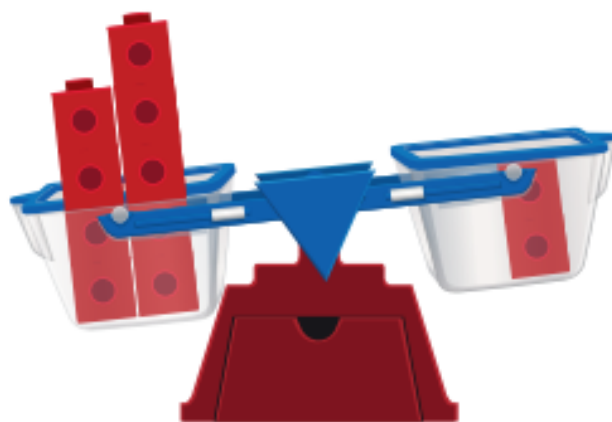
How have you shown respect for your classmates?

True Subtraction Equations



Be Curious

Is it always true?



Math is... **Mindset**

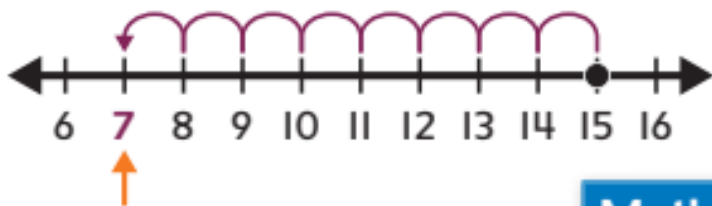
What do you do to get yourself excited to learn?

Learn

Is this equation true or false? $15 - 8 \stackrel{?}{=} 11 - 4$

You can make two equations.

$$15 - 8 = ?$$

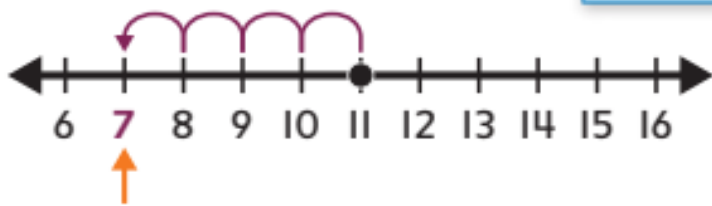


$$15 - 8 = 7$$

Math is... **Choosing Tools**

What is another tool you can use?

$$11 - 4 = ?$$



$$11 - 4 = 7$$

The two equations have the same difference.

$$15 - 8 = 11 - 4$$

The equation is true.

Work Together

Is this equation true or false? Explain.

$$9 - 4 \stackrel{?}{=} 11 - 6$$

On My Own

Name _____

Is the equation true or false? Circle True or False.

1. $13 - 4 = 11$

True

False

2. $15 - 8 = 7$

True

False

3. $8 - 6 = 7 - 5$

True

False

4. $16 - 7 = 18 - 9$

True

False

5. $9 - 4 = 10 - 3$

True

False

6. $12 - 4 = 15 - 6$

True

False

-
7. Is the equation $13 - 7 = 11 - 6$ true?
Write Yes or No. Explain your thinking.

Complete the equation to make it true.

8. $\underline{\quad} = 18 - 5$

9. $17 - 6 = 20 - \underline{\quad}$

- 10. STEM Connection** Erik has 19 video games. He gives 5 away. Sam has 15 video games. He loses 2. Do Erik and Sam have the same number of video games left? Explain.



- 11. Extend Your Thinking** Complete the equation to make it true.

$\underline{\quad} - 4 = 17 - \underline{\quad}$

Reflect

What does the equal sign mean?

Math is... Mindset

How did you get excited to learn?

Unit Review

Name _____

Vocabulary Review

Circle the example of the term.

1. subtract

$5 + 1 = 6$

$15 - 8 = 7$

2. difference

$12 - 7 = 5$

3. fact family

$2 + 8 = 10$

$1 + 8 = 9$

$8 + 2 = 10$

$9 + 2 = 11$

$10 - 2 = 8$

$9 - 3 = 6$

$10 - 8 = 2$

$8 + 1 = 9$

4. unknown

$? - 4 = 2$

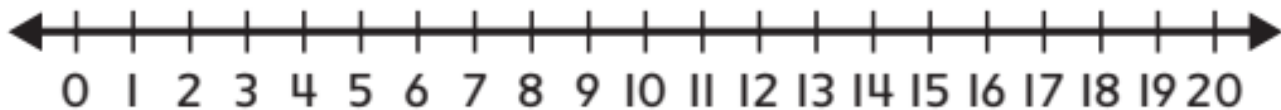
5. equal sign

$- \quad + \quad =$

Review

6. Count back to subtract. Write the difference.

$$18 - 4 = \underline{\quad}$$



7. Janet has 12 blueberries. She eats 4 blueberries.
How many blueberries does Janet have left?

Use the ten-frames to subtract.

 blueberries

8. What double can help you subtract $14 - 6$?
- A. $5 + 9 = 14$ B. $14 = 13 + 1$
C. $14 = 4 + 10$ D. $14 = 7 + 7$

9. Which number makes the equation true?

$$17 - ? = 8$$

- A. 6
B. 8
C. 9
D. 11

10. Which equations are part of the fact family from this fact triangle? Choose all the correct answers.



- A. $7 + 7 = 14$
B. $14 - 7 = 7$
C. $5 + 9 = 14$
D. $7 + 14 = 7$

11. Is the equation true or false? Circle True or False.

$$10 = 14 - 4$$

True False

12. Which addition equation can you use to subtract $12 - 3$?

- A. $3 + 3 = 6$
B. $5 + 7 = 12$
C. $9 + 6 = 15$
D. $9 + 3 = 12$

Performance Task

Jordan feeds 15 birds at the pond. He feeds more ducks than geese.

Part A: Could Jordan have fed 8 geese? Explain your thinking.

Part B: How many ducks and how many geese could Jordan have fed? Give 3 possible options.

Reflect

Describe two ways to subtract. Which way do you find more helpful?

Unit 5

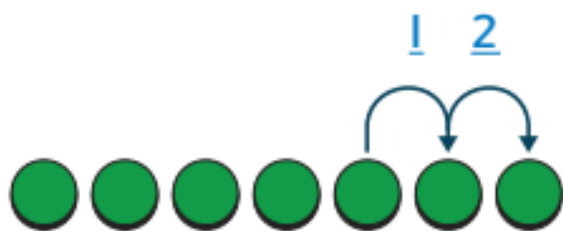
Fluency Practice

Name _____

Fluency Strategy

You can count up to help you subtract.

$$7 - 5 = ?$$



So, $7 - 5 = 2$.

1. How can you draw counters and a jump or jumps to show $8 - 7$? Draw and then write the number.

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

Fluency Flash

How can you count up to subtract? Write the number.

2.



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

3.



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

Fluency Check

What is the sum or difference? Write the number.

4. $9 - 7 =$ _____

9. $8 + 1 =$ _____

5. $5 + 2 =$ _____

10. $6 - 5 =$ _____

6. $4 - 1 =$ _____

11. $7 + 1 =$ _____

7. $7 + 2 =$ _____

12. $6 - 4 =$ _____

8. $6 + 2 =$ _____

13. $9 - 2 =$ _____

Fluency Talk

How can you use counters and jumps to subtract?
Show an example and explain your work.

How is *counting up* to subtract the same as
counting back to subtract? How is it different?

Shapes and Solids

Focus Question

What are shapes and solids?

Hi, I'm Riley.

I love cars! I want to be an automotive engineer. A car has lots of parts. The parts can be different shapes. What shapes can you see?



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STEM
video

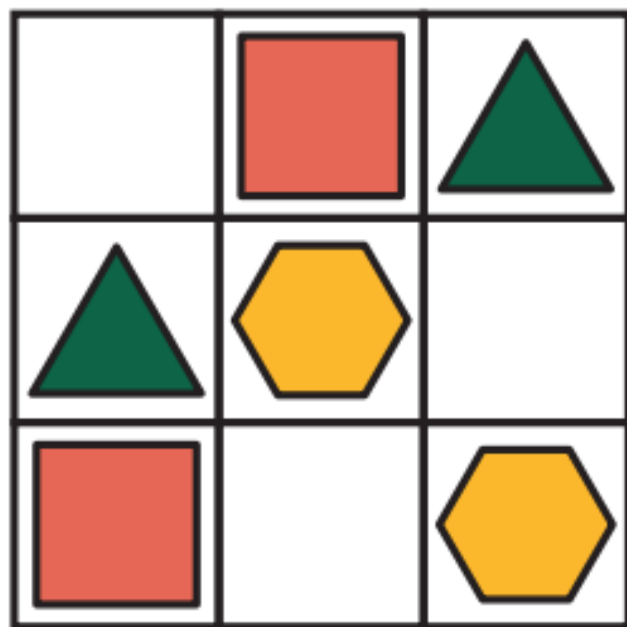
GO
ONLINE

Name _____

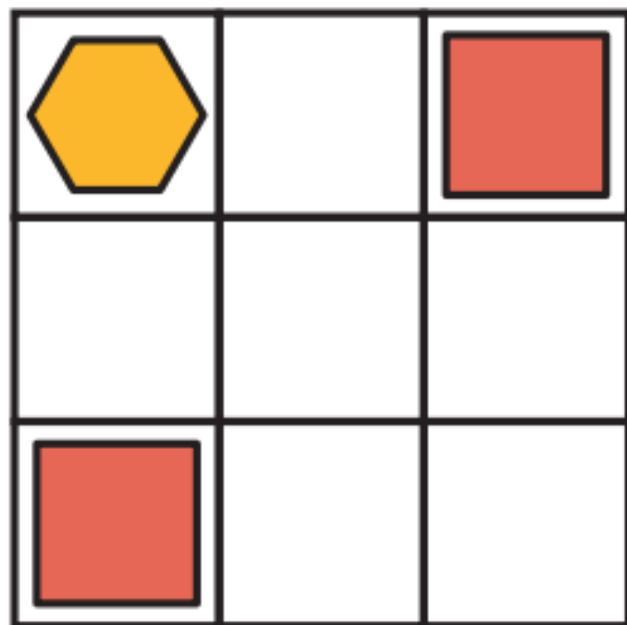
Shape Sudoku

Use pattern blocks to complete the puzzles.

Puzzle 1



Puzzle 2

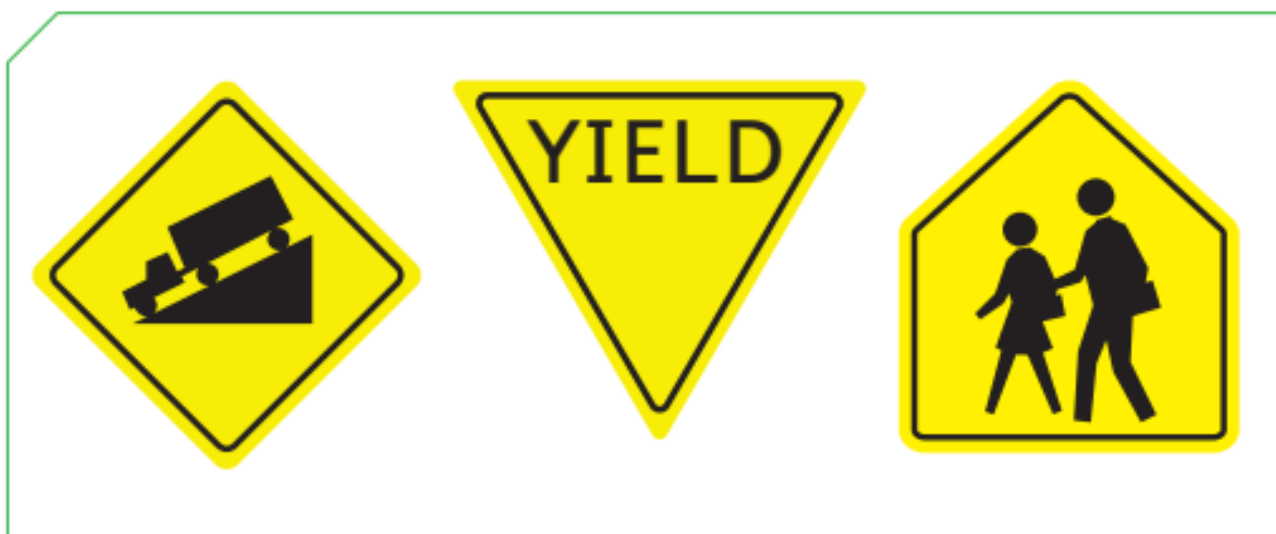


Understand Defining Attributes of Shapes



Be Curious

**How are they the same?
How are they different?**



Math is... Mindset

How can you act with your classmates to build a safe classroom culture?

Learn

How can you describe these shapes?



Some are big and some are small.
They are different colors.



They are all **closed** figures.



No openings or gaps

They all have 4 straight **sides**.
They all have 4 **vertices**.



4 straight sides



4 vertices

Vertices and straight sides are **defining attributes** of some **2-dimensional shapes**.

Math is... **Patterns**

What patterns do you see?

Work Together

What shape is this? Explain how you know.



On My Own

Name _____

Which shapes match the description?

Circle all the correct answers.

1. closed shape

2. shape with 4 vertices



3. rectangle

4. square



5. Which statement is true for a square? Choose all the correct answers.

- A. It has 4 vertices.
- B. It has more sides than vertices.
- C. All its sides are the same length.

6. Which statement is always true for a rectangle?
Choose all the correct answers.
- A. It is a closed 2-dimensional shape.
 - B. It has 4 vertices.
 - C. All of its sides are the same length.

7. **STEM Connection** Erik is playing a video game about shapes. He has to find all the rectangles. Circle the rectangles. Circle the rectangles.



8. **Extend Your Thinking** Carol says this shape is not a rectangle because the sides are all the same length. Do you agree with Carol?



Reflect

What attributes are always the same for squares and rectangles?

Math is... Mindset

How have you and your classmates built a safe classroom culture?

Understand Non-Defining Attributes



Be Curious

Which doesn't belong?



Math is... **Mindset**

What do you do well in
math? In reading?

Learn

Angie says these shapes are all the same.

Do you agree?



Math is... **Patterns**

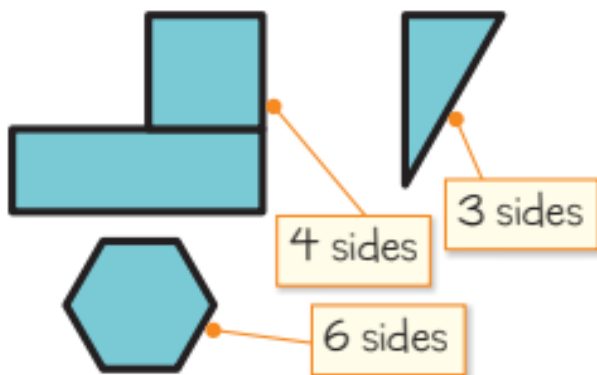
How are the shapes alike and different?

All the shapes are blue.

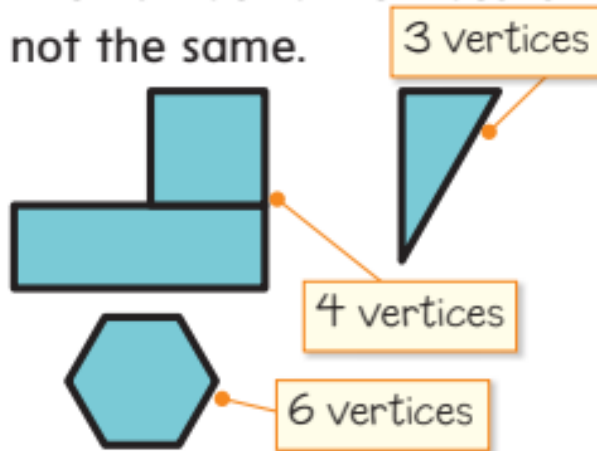
All the shapes are about the same size.



The number of sides is not the same.



The number of vertices is not the same.



Color and size are not defining attributes of shapes.

Work Together

Draw a square that is a different size and color and turned in a different direction. How do you know your shape is a square?



On My Own

Name _____

Use the shape to answer the question.



1. Which are *not* defining attributes of this shape?
Choose all the correct answers.
- A. 4 straight sides
 - B. 4 vertices
 - C. green
 - D. large

What are the defining attributes of the shape?
Draw to show the shape.

2. triangle

3. circle

4. hexagon

5. rectangle

6. **Error Analysis** Mansur says these figures are *not* the same shape. Do you agree? Tell why or why not.



7. **Extend Your Thinking** Draw two shapes that have one attribute that is different. What is the different attribute?

Reflect

Explain why changing the size, color, or direction of a shape does *not* change its name.

Math is... Mindset

How did you use your strengths in reading in math today?

2-Dimensional Shape Sort

Name _____

Cut out the cards on pages 213, 215, and 217.



Triangle or
Rectangle

Other

a.



b.



c.



d.

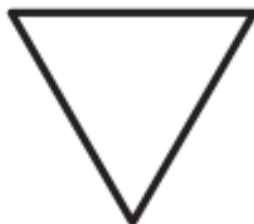




e.



f.



g.



h.



i.



j.



k.



l.





m.



n.



o.



p.



q.



Reflect On Your Learning



Compose Shapes



Be Curious

What do you notice?
What do you wonder?



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Math is... **Mindset**

What helps you control
your actions in class?

Learn

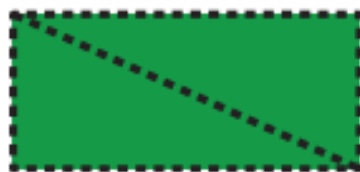
How can you use these shapes to make other shapes?



You can use 2 squares to make a rectangle.



You can use 2 triangles to make a rectangle.



You can use these shapes to make a hexagon.



You can make other shapes.



You can use 2-dimensional shapes to make other 2-dimensional shapes.

Math is... Precision

How can you name the new shapes you make?

Work Together

How can you make a flower using these shapes?
Draw your new shape.



On My Own

Name _____

How can you make the shape using other shapes?
Draw lines to show how.

1.



2.



How can you use the shapes to make a new shape?
Draw to show how.

3.



4.



5. Which shape can you make by putting these 2 shapes together?



- A. square
B. triangle
C. circle
D. hexagon
6. **Extend Your Thinking** What are two ways you can make this shape using other shapes? Draw your shapes.



Reflect

How can you put shapes together to make new shapes?

Math is... Mindset

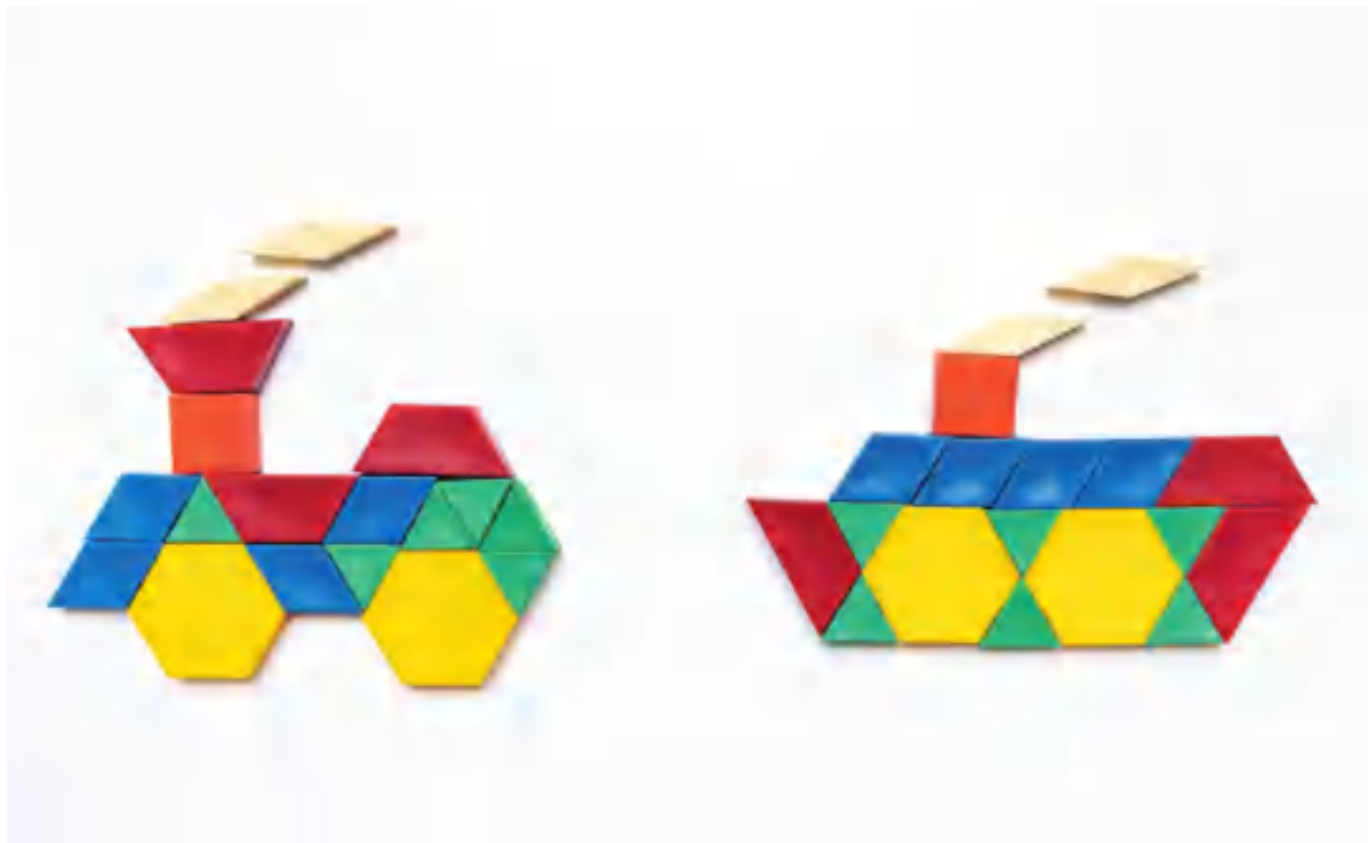
What worked well to control your actions in class?

Build New Shapes



Be Curious

**How are they the same?
How are they different?**



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Math is... **Mindset**

How confident do you feel about math?

Learn

How can you use these shapes to make a new shape?

You can use the parts of a shape to make a new shape.



You can take apart the shape.



Then use the parts to make a new shape.

The new shape looks different, but it has the same parts.

Math is... In My World

When might you want to use the parts of a shape to make a new shape?

Work Together

Make a new shape using some of these shapes. How can you use the parts of your shape to make a different shape? Draw your two shapes.



On My Own

Name _____

Can you make the pair of shapes from the same parts? Circle Yes or No.



Yes

No



Yes

No

How can you make a different shape using the same parts? Draw to show how.



5. How can you use the parts of this shape to make a hexagon? Draw to show your thinking.



6. **Extend Your Thinking** How can you take apart the house and use the parts to make the tree?



Reflect

How can you make new shapes from shapes you already have?

Math is... Mindset

Why were you confident about math today?

Understand Attributes of Solids



Be Curious

What do you notice?
What do you wonder?



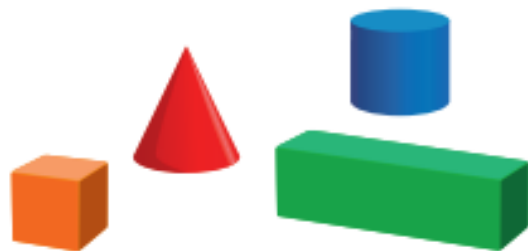
Math is... Mindset

How can you show that you value the ideas of others?

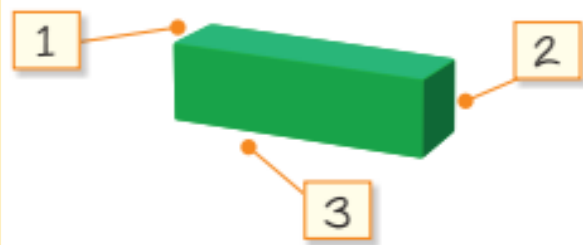
Learn

How can you describe these shapes?

They are 3-dimensional shapes.



They have 3 dimensions.



Some have faces and edges. Some have vertices.



Some have bases.



A cone has an apex.



Math is... Patterns

What patterns do you see?

You can describe **3-dimensional shapes** by the defining attributes they always have.

Work Together

Are these all 3-dimensional shapes? Tell how you know.

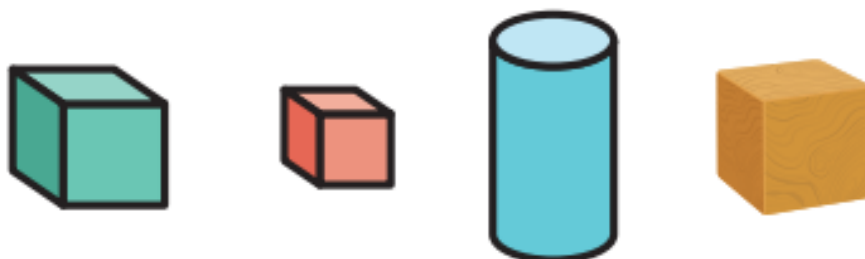


On My Own

Name _____

Circle all the correct answers for the question.

1. Which are cubes?



2. Which are cylinders?



3. Which are cones?



4. Which are rectangular prisms?



5. **STEM Connection** Riley makes a car using blocks. Are blocks 3-dimensional shapes? Tell how you know.



6. Which 3-dimensional shape has faces?

A. cube

B. cone

C. cylinder

D. sphere

7. **Extend Your Thinking** Violet says a cone is the same as a cylinder. Do you agree? Explain.

Reflect

What defining attributes do 3-dimensional shapes have?

Math is... **Mindset**

How have you shown that you value the ideas of others?

Build New Solids



Be Curious

What do you notice?
What do you wonder?



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Math is... Mindset

What are some ways to build a positive relationship with classmates?

Learn

How can you use 3-dimensional shapes to make other 3-dimensional shapes?



You can combine cubes to make a rectangular prism.



You can make objects with 3-dimensional shapes.



You can combine 3-dimensional shapes to make new 3-dimensional shapes.

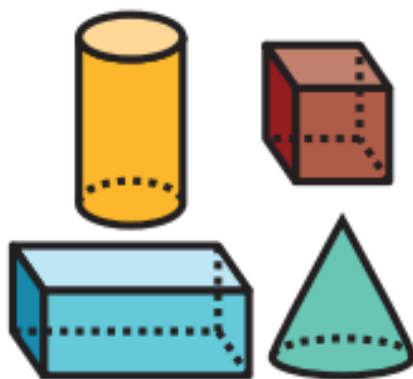
Math is... Thinking

What other new shapes can you make?

Work Together

Make a new shape using some of these shapes. How can you use the parts of your shape to make a different shape?

Draw or describe your two shapes.



On My Own

Name _____

Circle the shapes that make up the object.

1.

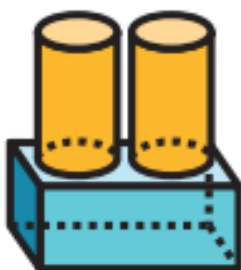


2.

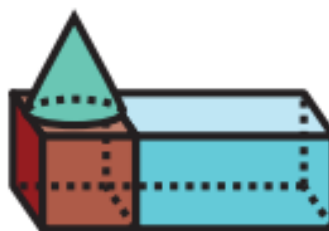


Use the parts of the object to make a new object.
Draw or describe your object.

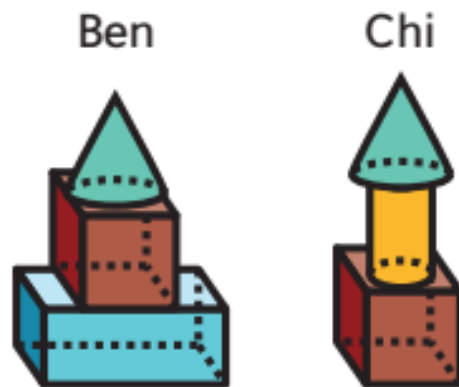
3.



4.



5. **Error Analysis** Chi wants to make a new object using Ben's shapes. Does Chi's object use the same shapes as Ben's? Explain.



6. **Extend Your Thinking** Brett has 3 cubes. He says there is only one way to make a new shape with them. Do you agree? Explain.

Reflect

How is making new 3-dimensional shapes like making new 2-dimensional shapes?

Math is... Mindset

How did you build a positive relationship with classmates today?


Unit Review

Name _____

Vocabulary Review

Use the vocabulary to complete each sentence.

2-dimensional shape	attributes
closed	defining attributes
edges	rectangular prism
sides	vertices

- All triangles have 3 _____ and 3 _____.
- A 3-dimensional shape has faces, vertices, and _____.
- A _____ is flat.
- A shape with no openings or gaps is _____.
- A _____ has 6 faces. 
- Color, size, vertices, and sides are some _____ of shapes.
- Only the _____ of a shape help us name it.

Review

8. Which are closed shapes? Circle all the correct answers.



9. How many vertices does the shape have?



- A. 2 B. 3 C. 4 D. 6

10. Use the shapes shown.

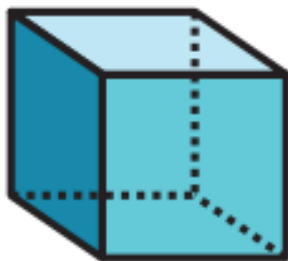


What shapes can you use to make this shape?



You can use Shape ___ and Shape ___.

11. How many edges does the shape have?



- A. 4 B. 6 C. 12 D. 18

12. Which shapes have 0 vertices? Choose all the correct answers.

- A. rectangular prism B. cube
 C. cylinder D. sphere

13. Which other shapes can you make from this one? Choose all the correct answers.



14. Can you use the parts of Shape 1 to make Shape 2? Circle Yes or No.



1



2

Yes

No

Performance Task

Automotive engineers use these shapes in car designs.



Part A: What are the names of the shapes in the group?

What is one way they are alike?

What is one way they are different?

Part B: Which shapes are the faces of those shapes? Circle all the correct answers.



Reflect

How can you identify 2-dimensional and 3-dimensional shapes?

Fluency Practice

Name _____

Fluency Strategy

You can use a ten-frame to help add to 10.



$$7 + 3 = 10$$



$$4 + 6 = 10$$

1. How can you color the ten-frame to add $5 + 5$?
Show your work.



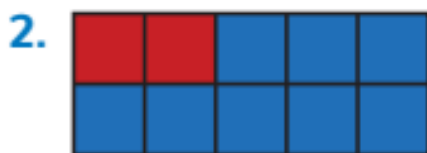
What is the sum? Write the number.

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

Fluency Flash

How can you use the ten-frame to add?

Write the sum.



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



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

Fluency Check

What is the sum or difference? Write the number.

4. $3 + 7 =$ _____

9. $7 - 1 =$ _____

5. $8 - 6 =$ _____

10. $9 - 8 =$ _____

6. $6 + 4 =$ _____

11. $2 + 8 =$ _____

7. $5 - 4 =$ _____

12. $6 - 1 =$ _____

8. $1 + 9 =$ _____

13. $7 - 2 =$ _____

Fluency Talk

How can you show that $5 + 4$ does not equal 10?
Explain your work.

How can you count up to subtract $9 - 7$? Show and
explain your work.

Glossary/Glosario

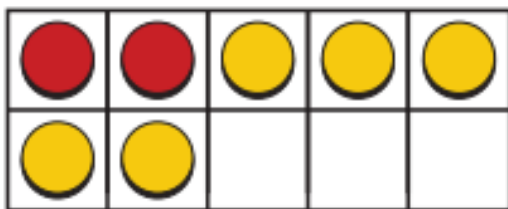
English

Spanish/Español

Aa

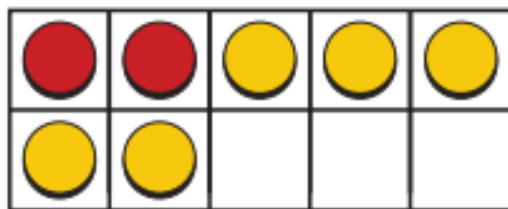
add (adding, addition) To join together sets to find the total or sum.

$$2 + 5 = 7$$



sumar (adición) Unir conjuntos para hallar el total o la suma.

$$2 + 5 = 7$$



addend Any numbers or quantities being added together.

$$2 + 3$$

2 is an addend and
3 is an addend

sumando Números o cantidades que se suman.

$$2 + 3$$

2 es un sumando y
3 es un sumando

analog clock A clock that has an hour hand and a minute hand.

minute hand



reloj analógico Reloj que tiene manecilla horaria y minuterero.

minuterero



Cc

circle A closed, round figure.



círculo Figura redonda y cerrada.



closed shape A shape that begins and ends at the same point.



figura cerrada Figura que comienza y termina en el mismo punto.



column A column goes up and down on a number chart.

columna Una columna sube y baja en una tabla numérica.

compare To look at objects, shapes, or numbers and see how they are alike or different.

comparar Observar objetos, formas o números para saber en qué se parecen y en qué se diferencian.

composite shape A figure made up of two or more shapes.

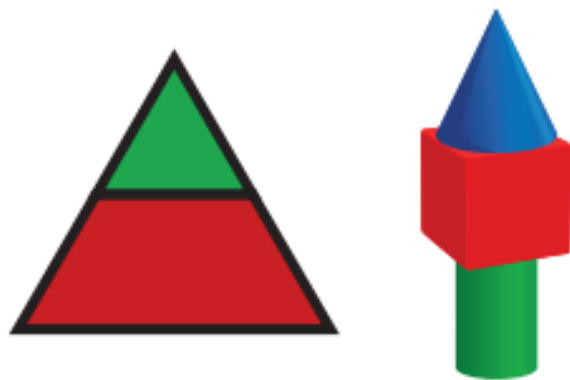
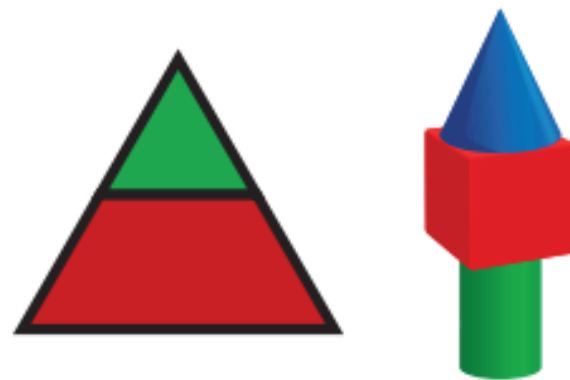
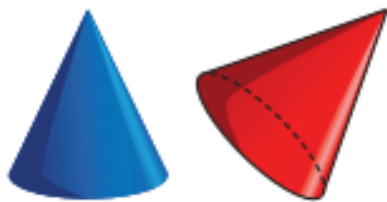


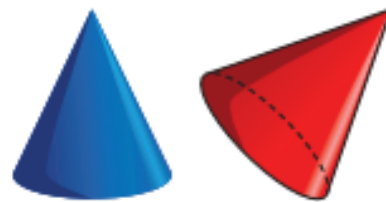
figura compuesta Figura formada por dos o más figuras.



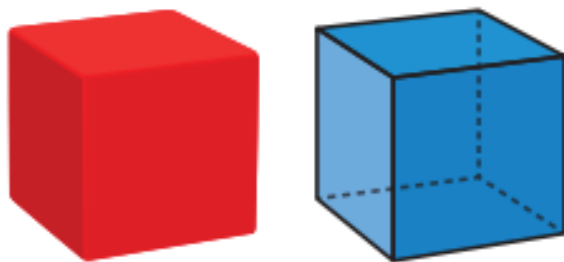
cone A 3-dimensional shape with 1 round base and 1 apex.



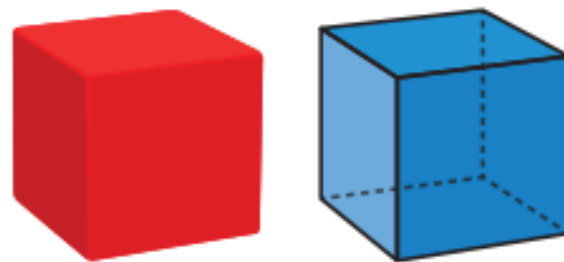
cono Figura tridimensional con una base redonda y un punto de unión.



cube A 3-dimensional shape with 6 square faces, 8 vertices, and 12 edges.



cubo Figura tridimensional con 6 caras cuadradas, 8 vértices y 12 bordes.



cylinder A 3-dimensional shape with 2 round faces and a curved surface.



cilindro Figura tridimensional con 2 caras redondas y una cara curva.



Dd

data Numbers or symbols collected to show information.

Name	Number of Pets
Mary	3
James	1
Alonzo	4

datos Números o símbolos que se reúnen para mostrar información.

Nombre	Número de mascotas
Mary	3
James	1
Alonzo	4

difference Subtracting one number from another number gives the difference.

$$3 - 1 = 2$$



The difference is 2.

diferencia Restando un número de otro número da la diferencia.

$$3 - 1 = 2$$



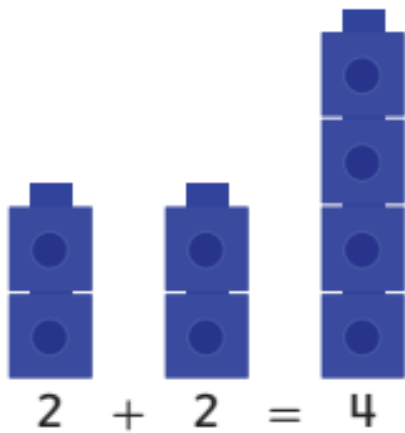
La diferencia es 2.

digit A symbol used to write numbers. The ten digits are: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9.

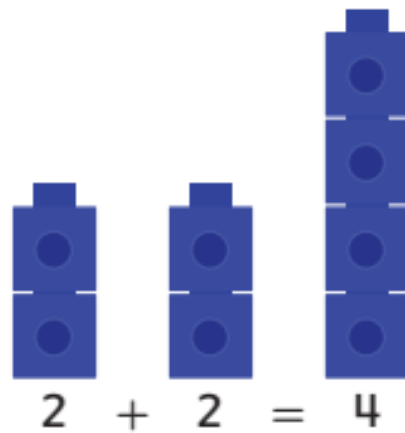
dígito Símbolo usado para escribir números. Los diez dígitos son: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9.

English**Spanish/Español**

doubles Two addends that are the same number.



dobles Dos sumandos que son el mismo número.

**Ee**

edge The line where two sides or faces meet.



borde Línea donde dos lados o caras se unen.



equal shares Each share is the same size.

Example: This muffin is cut into 2 equal shares.



partes iguales Cada una de las partes tiene el mismo tamaño.

Ejemplo: Este pastelillo está cortado en 2 partes iguales.



English**Spanish/Español**

equal sign (=) Having the same value as or is the same as.

$$2 + 4 = 6$$



equal sign

signo igual (=) Que tienen el mismo valor o son lo mismo.

$$2 + 4 = 6$$



signo igual

equal to (=)



$$6 = 6$$

6 is equal to or the same as 6

igual a (=)



$$6 = 6$$

6 es igual o lo mismo que 6

equation A number sentence that includes an equal sign.

$$5 + 7 = 12$$

ecuación Una oración numérica que incluye el signo igual.

$$5 + 7 = 12$$

Ff

face The flat part of a 3-dimensional figure.

Example: A square is a face of a cube.



face

cara La parte plana de una figura tridimensional.

Ejemplo: Un cuadrado es la cara de un cubo.



cara

fact family Addition and subtraction sentences that use the same numbers. Sometimes called *related facts*.

$$6 + 7 = 13 \quad 13 - 7 = 6$$

$$7 + 6 = 13 \quad 13 - 6 = 7$$

familia de operaciones Enunciados de suma y resta que tienen los mismos números. Algunas veces se llaman *operaciones relacionadas*.

$$6 + 7 = 13 \quad 13 - 7 = 6$$

$$7 + 6 = 13 \quad 13 - 6 = 7$$

fewer Not as many or a smaller amount.



There are fewer yellow counters than red ones.

menos El número o grupo con menos.



Hay menos fichas amarillas que fichas rojas.

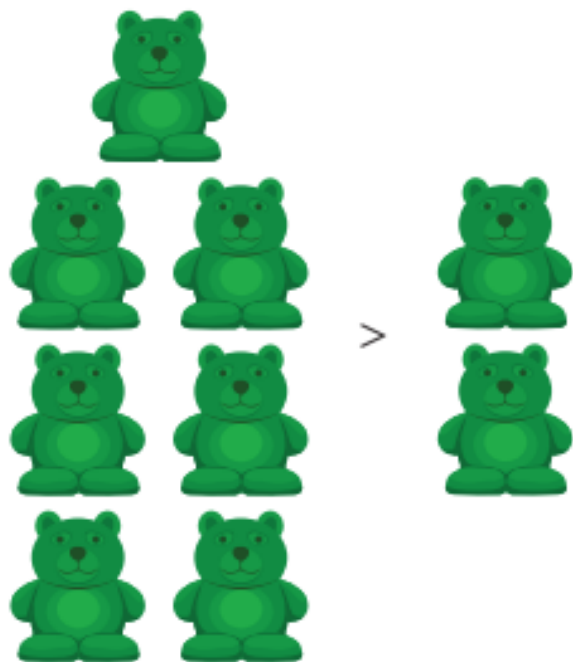
fourths Four equal parts of a whole. Each part is a fourth, or a quarter, of the whole.

cuartos Cuarto partes iguales de un todo. Cada parte es un cuarto, o la cuarta parte del todo.

Gg

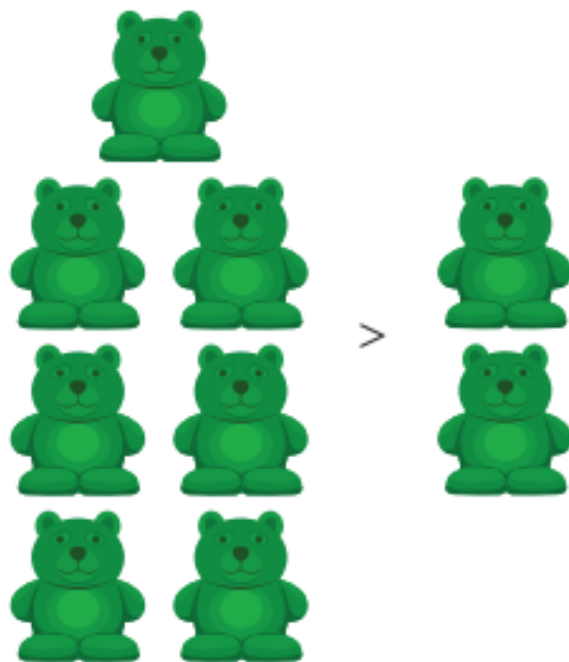
greater than (>) When an amount is larger than another amount.

Example: 7 is greater than 2
or $7 > 2$.



mayor que (>) Cuando una cantidad es más grande que otro.

Ejemplo: 7 es mayor que 2
o $7 > 2$.



Hh

half hour (or half past) One half of an hour is 30 minutes. Sometimes called *half past* or *half past the hour*.



media hora (o y media) Media hora son 30 minutos. A veces se dice hora y media.



English**Spanish/Español**

halves Two equal parts of a whole. Each part is a half of the whole.

mitades Dos partes iguales de un todo. Cada parte es la mitad de un todo.

hexagon A 2-dimensional shape that has 6 sides.

hexágono Una figura bidimensional con 6 lados.



hour A unit of time.
1 hour = 60 minutes

hora Unidad de tiempo.
1 hora = 60 minutos



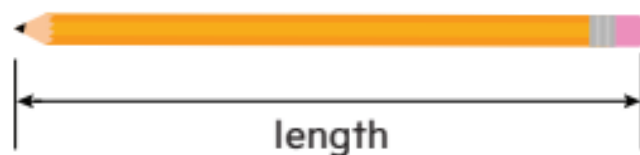
hour hand The hand on a clock that tells the hour. It is the shorter hand.

manecilla horaria Manecilla del reloj que indica la hora. Es la manecilla más corta.



LI

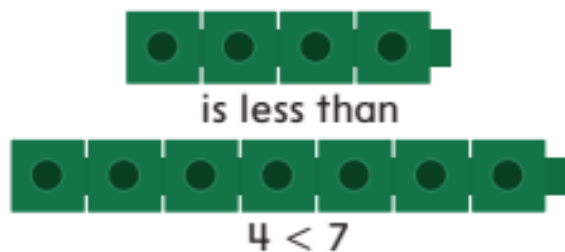
length How long or how far away something is.



longitud La mayor de las dos dimensiones principales que tienen las cosas o figuras planas.



less than (<) 4 is less than 7.



menor que (<) 4 es menor que 7.



English

Spanish/Español

long (longer, longest) A way to compare the lengths of objects.



↑
long



↑
longer



↑
longest

largo (más largo, el más largo) Forma de comparar la longitud de objetos.



↑
largo



↑
más largo



↑
el más largo

Mm

measure To find the length, height, or weight using standard or nonstandard units.

medir Hallar la longitud, estatura o peso mediante unidades estándar o no estándar.

minus (-) The sign used to show subtraction.

$$5 - 2 = 3$$



minus sign

menos (-) Signo que indica resta.

$$5 - 2 = 3$$



signo menos

minute A unit used to measure time.
1 minute = 60 seconds



minuto Unidad para medir tiempo.
1 minuto = 60 segundos



minute hand The longer hand on a clock that tells the minutes.

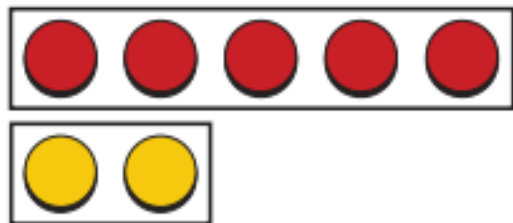


minutero La manecilla más larga del reloj que indica los minutos.



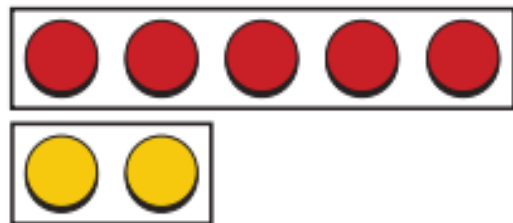
English**Spanish/Español**

more A larger or greater amount.



There are more red counters than yellow ones.

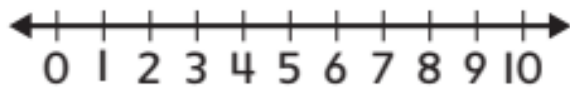
más Una cantidad mayor o más grande.



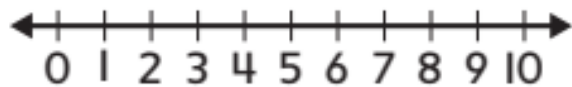
Hay más fichas rojas que amarillas.

Nn

number line A line with number labels.



recta numérica Recta con marcas de números.

**Oo**

one-fourth One of 4 equal shares.



one-fourth shaded

un cuarto Una de 4 partes iguales.



un cuarto sombreado

one-half One of 2 equal shares.



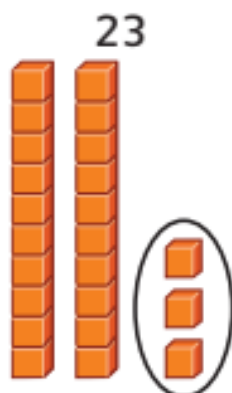
one-half shaded

mitad Una de 2 figuras iguales.



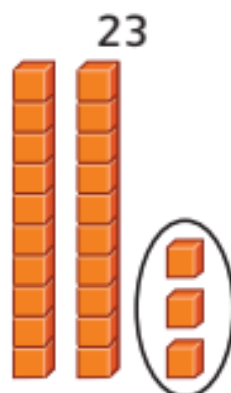
una mitad sombreada

ones The numbers in the range of 0–9. It is the place value of a number.



This number has 3 ones.

unidades Los números en el rango de 0 a 9. Es el valor posicional de un número.



Este número tiene 3 unos.

open shape A figure not connected at one or more points.

figura abierta Figura que no está unida en uno o más puntos.

Pp

pattern An order that a set of objects or numbers follows over and over.



pattern unit

patrón Orden que sigue continuamente un conjunto de objetos o números.



unidad de patrón

picture graph A graph that has different pictures to show information collected.



gráfica con imágenes Gráfica que tiene diferentes imágenes para ilustrar la información recopilada.



place value The value given to a digit by its place in a number.

65
6 tens
5 ones

valor posicional Valor de un dígito según el lugar en el número.

65
6 decenas
5 unidades

plus (+) The sign used to show addition.

$$4 + 5 = 9$$

plus sign

más (+) Símbolo para mostrar la suma.

$$4 + 5 = 9$$

signo más

Rr

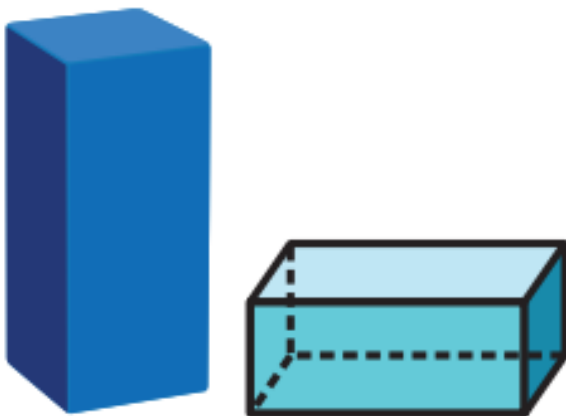
rectangle A shape with 4 straight sides and 4 vertices.



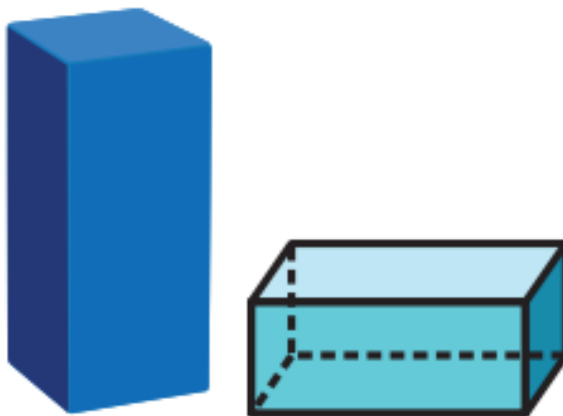
rectángulo Figura con 4 lados y 4 esquinas.



rectangular prism A 3-dimensional shape with 6 faces, 8 vertices, and 12 edges.



prisma rectangular Figura tridimensional con 6 caras, 8 esquinas y 12 bordes.



related fact(s) Basic facts using the same numbers. Sometimes called a *fact family*.

$$\begin{array}{l} 6 + 4 = 10 \quad 10 - 6 = 4 \\ 4 + 6 = 10 \quad 10 - 4 = 6 \end{array}$$

operaciones relacionadas Operaciones básicas en las cuales se usan los mismos números. También se llaman familias de operaciones.

$$\begin{array}{l} 6 + 4 = 10 \quad 10 - 6 = 4 \\ 4 + 6 = 10 \quad 10 - 4 = 6 \end{array}$$

row A row goes left to right on a number chart.

fila Una fila se lee de izquierda a derecha en una tabla numérica.

Ss

short (shorter, shortest) To compare length or height of two (or more) objects.



↑
short



↑
shorter



↑
shortest

corto (más corto, el más corto) Comparar la longitud o la altura de dos (o más) objetos.



↑
corto



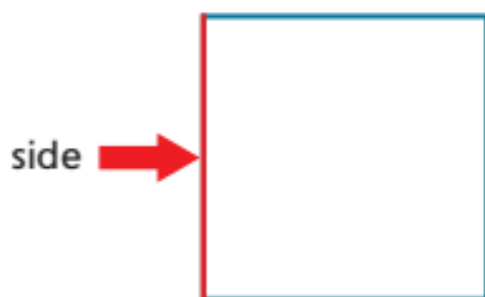
↑
más corto



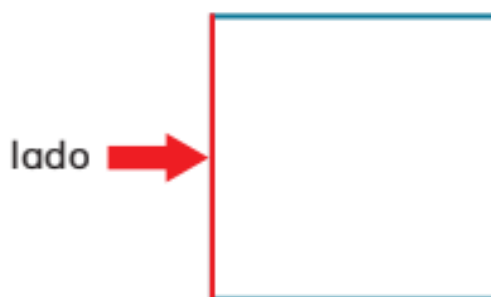
↑
el más corto

English**Spanish/Español**

side One of the lines that make up a shape.



lado Uno de la líneas que compone una figura.



sphere A solid shape that has the shape of a round ball.



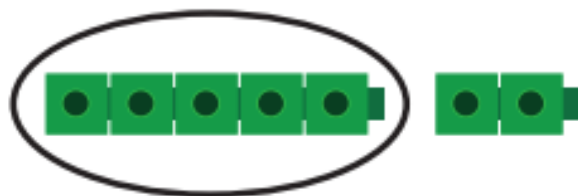
esfera Figura sólida con la forma de una pelota redonda.



square A rectangle that has 4 equal sides.

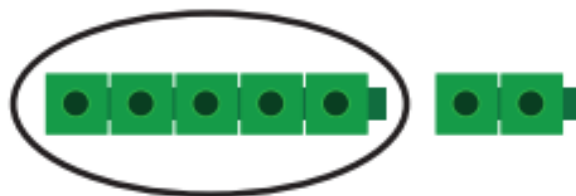
cuadrado Rectángulo que tiene 4 lados iguales.

subtract (subtracting, subtraction) To take away, take apart, separate, or find the difference between two sets. The opposite of addition.



$$7 - 2 = 5$$

restar (resta, sustracción) Eliminar, quitar, separar o hallar la diferencia entre dos conjuntos. Lo opuesto de la suma.



$$7 - 2 = 5$$

English

Spanish/Español

sum Adding two or more numbers gives the sum.

$$2 + 4 = 6$$



sum

suma Sumando dos o más números da la suma.

$$2 + 4 = 6$$



suma

Tt

tally mark(s) A mark used to record data collected in a survey.



marca(s) Símbolo usado para anotar datos de una encuesta.



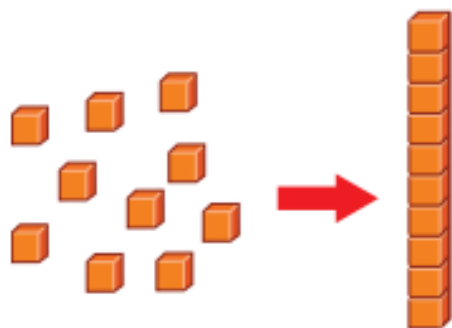
teen number A number that is 1 group of ten and some ones.

Example: 12

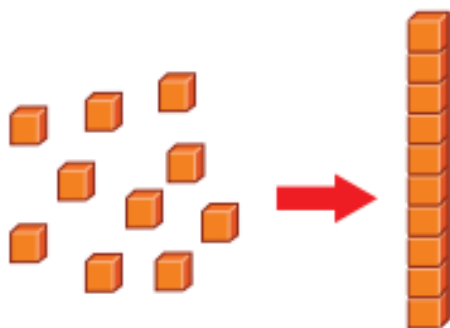
números del 11 al 19 Un número formado por una decena y algunas unidades.

Ejemplo: 12

ten One group of 10 ones is 1 ten.

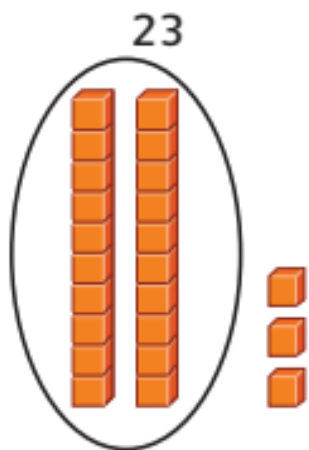


decena Un grupo de 10 es una decena.



tens A place value of a number.

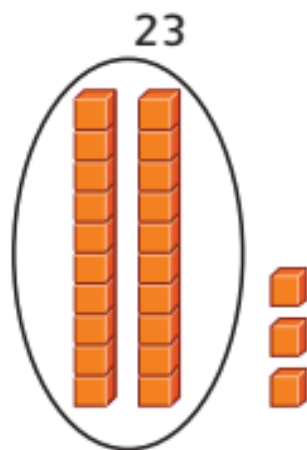
Example: In the number 23, the 2 is in the tens place.



This number has 2 tens.

decenas El valor posicional de un número.

Ejemplo: En el número 23, el 2 está en el lugar de las decenas.



Este número tiene 2 decenas.

triangle A shape with 3 sides.



trapecio Figura con 3 lados.



Uu

unit An object used to measure.



unidad Objeto que se usa para medir.



English**Spanish/Español**

unknown A missing number in an equation.

$$9 + ? = 10$$

incógnita El número que falta en una ecuación.

$$9 + ? = 10$$

Ww

whole The entire object.



el todo El objeto completo.



