

# Putting It All Together



Student Workbook



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# Putting It All Together

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**Putting It All Together**  
**Student Workbook**  
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# Lesson 1: Sort, Count, and Compare Groups of Objects

- Let's figure out which group has more objects.



## 1.1: Sort, Count, and Compare

How many beads are in each group?

Show your thinking using drawings, numbers, or words.



Circle the group that has fewer beads.



## 1.2: Who Has More?

1. How many beads are in each group?

Show your thinking using drawings, numbers, or words.

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2. How many beads are in your bag altogether?

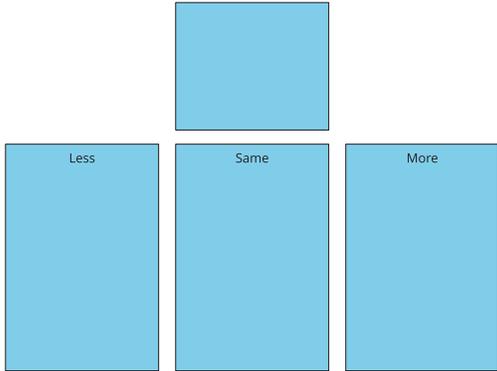
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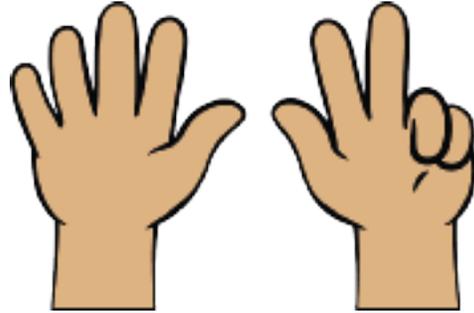
# 1.3: Centers: Choice Time

Choose a center.

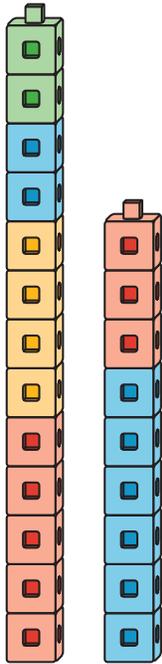
Less, Same, More



Math Fingers



Tower Build



Math Stories



Which One





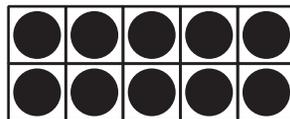
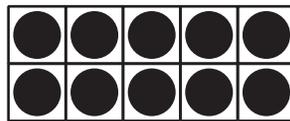
## Lesson 2: Count and Compare Collections

- Let's count and compare collections.

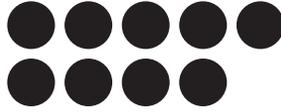
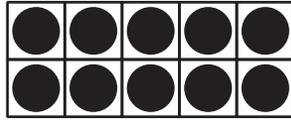
### Warm-up: How Many Do You See: 10 and Some More

How many do you see?

How do you see them?









## 2.1: Counting Collections

How many objects are in your collection?

Show your thinking using drawings, numbers, or words.





## 2.2: Comparing Collections

How many objects are in your collection?

Show your thinking using drawings, numbers, or words.

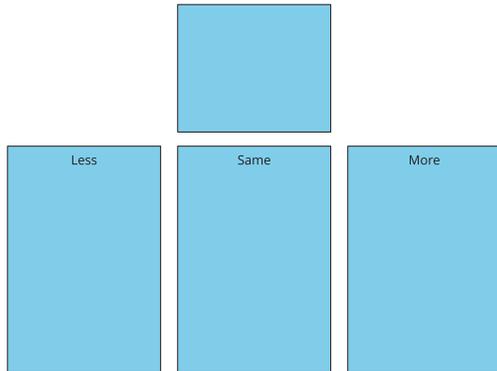




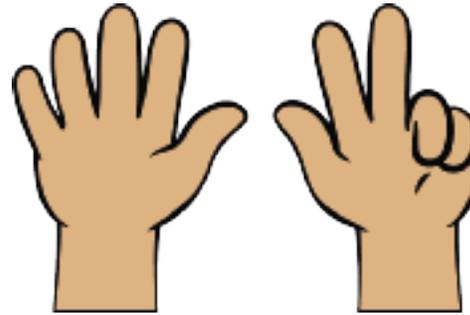
## 2.3: Centers: Choice Time

Choose a center.

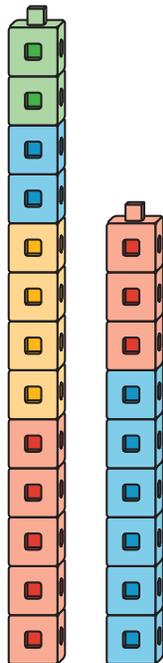
Less, Same, More



Math Fingers



Tower Build



Math Stories



Which One





## Lesson 3: Count to Add and Subtract

- Let's solve story problems.



### 3.1: Ride the Bus

1. There were 7 people on the bus.  
Then 1 more person got on the bus.  
How many people are on the bus now?

Show your thinking using objects, drawings, numbers, or words.

---

2. There were 10 people on the bus.  
Then 1 person got off the bus.  
How many people are on the bus now?

Show your thinking using objects, drawings, numbers, or words.

---



## 3.2: Singing Students

1. \_\_\_\_\_ students were singing.

Then 1 more student came to sing with them.

How many students are singing now?

Show your thinking using objects, drawings, numbers, or words.

---



2. \_\_\_\_\_ students were singing.

Then 1 student stopped singing and went home.

How many students are singing now?

Show your thinking using objects, drawings, numbers, or words.

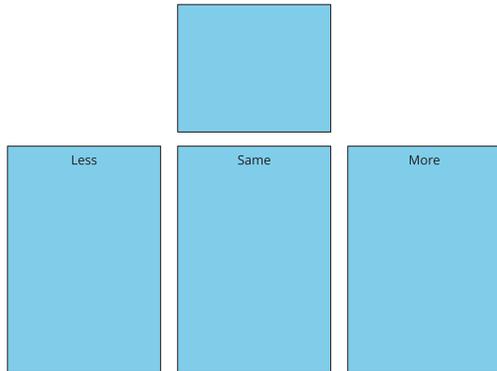
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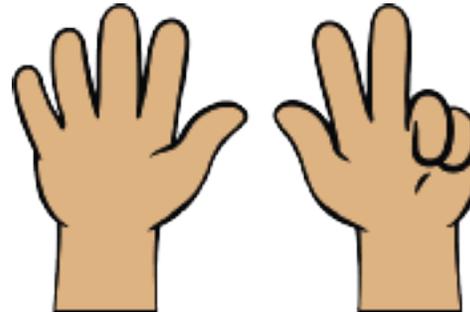
### 3.3: Centers: Choice Time

Choose a center.

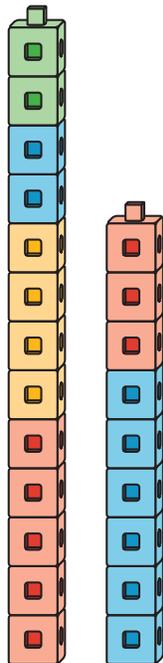
Less, Same, More



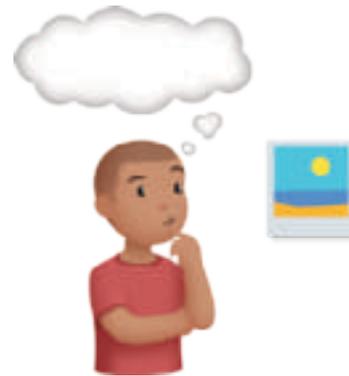
Math Fingers



Tower Build



Math Stories



Which One





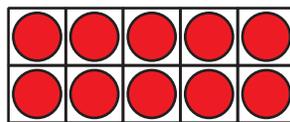
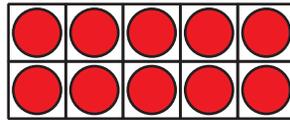
## Lesson 4: One More and One Less

- Let's find 1 more or 1 less.

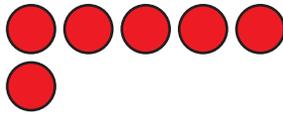
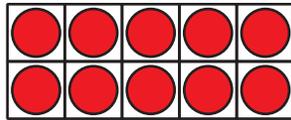
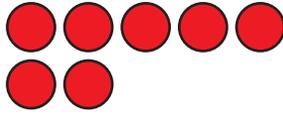
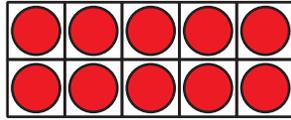
### Warm-up: How Many Do You See: One Less

How many do you see?

How do you see them?









## 4.1: Count Out and Show One More or One Less

Show your number.

Show how your partner changed the number.

Round 1:

Starting Number:

\_\_\_\_\_

New Number:

\_\_\_\_\_

Round 2:

Starting Number:

\_\_\_\_\_

New Number:

\_\_\_\_\_



Round 3:

Starting Number:

\_\_\_\_\_

New Number:

\_\_\_\_\_

Round 4:

Starting Number:

\_\_\_\_\_

New Number:

\_\_\_\_\_



## 4.2: Color One More or One Less

- Roll to choose a number and 1 more or 1 less.
- Color the number that is 1 more or 1 less than your number.
- Record the starting number and the new number.

10	17	2	9
19	5	13	16
7	1	18	12
20	14	6	3
4	8	11	15

Starting Number:

New Number:

Round 1:

\_\_\_\_\_

\_\_\_\_\_

Round 2:

\_\_\_\_\_

\_\_\_\_\_

Round 3:

\_\_\_\_\_

\_\_\_\_\_

Round 4:

\_\_\_\_\_

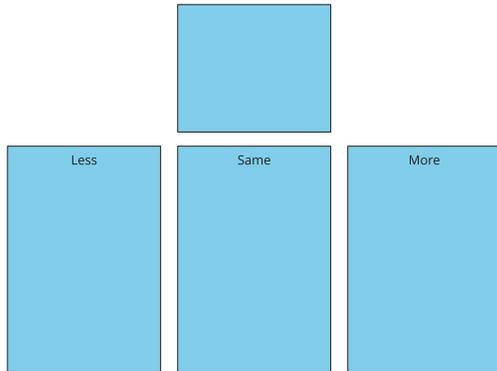
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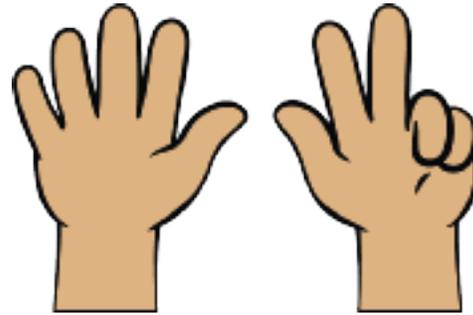
## 4.3: Centers: Choice Time

Choose a center.

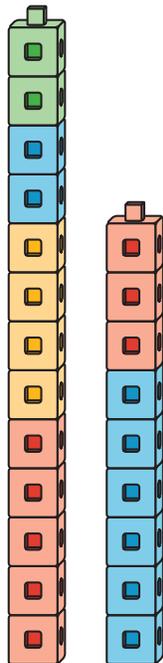
Less, Same, More



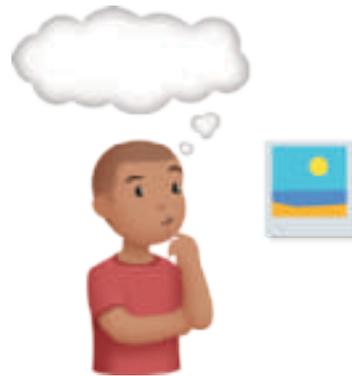
Math Fingers



Tower Build



Math Stories



Which One





## Lesson 5: Order Numbers 1-20

- Let's think about the order of numbers 1-20.



## 5.1: Order Numbers

Write the numbers in order.

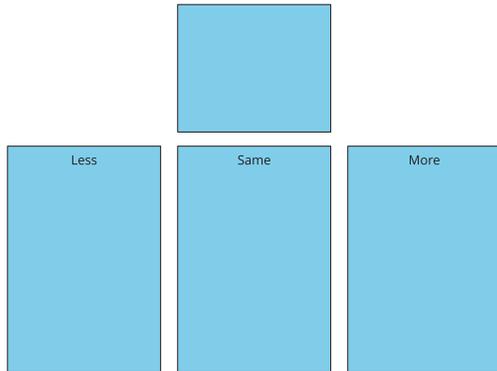
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____



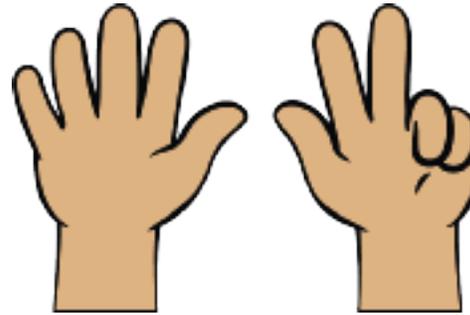
## 5.3: Centers: Choice Time

Choose a center.

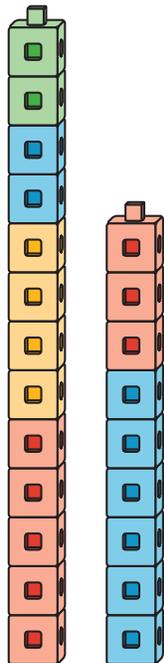
Less, Same, More



Math Fingers



Tower Build



Math Stories



Which One

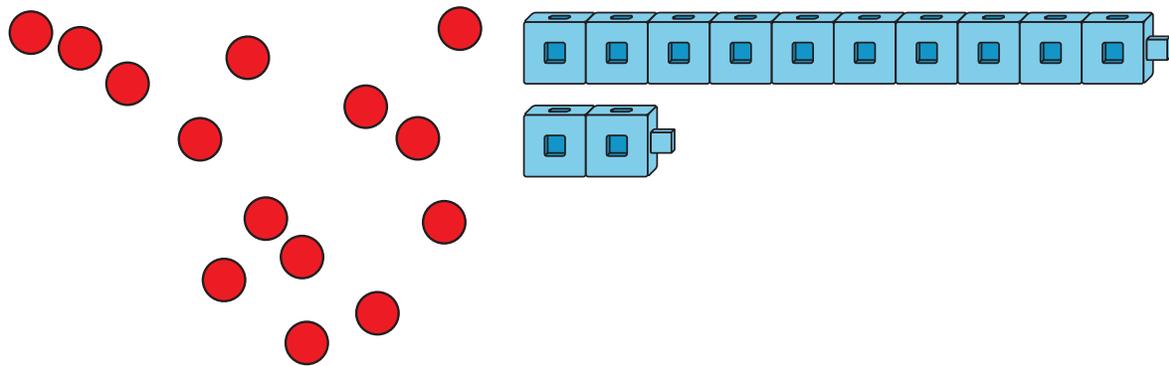




## Section Summary

### Section Summary

In this section, we counted and compared groups of objects.



There are 14 counters and 12 cubes. There are fewer cubes.

We also used what we know about counting to help us figure out 1 more and 1 less.

1, 2, 3, 4, 5, 6, 7, 8

8 is 1 more than 7.

There were 10 people on the bus.

Then 1 person got off the bus.

How many people are on the bus now?

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

9 comes before 10 when we count, so 9 is 1 less than 10.



## Lesson 6: Create Number Books (Part 1)

- Let's find things to count at our school.

### Warm-up: Notice and Wonder: All Hands On

What do you notice?

What do you wonder?

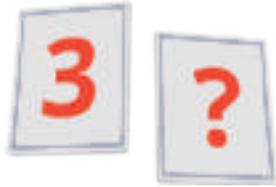




## 6.3: Centers: Choice Time

Choose a center.

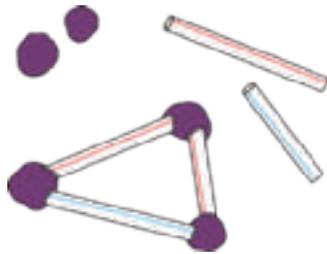
Find the Pair



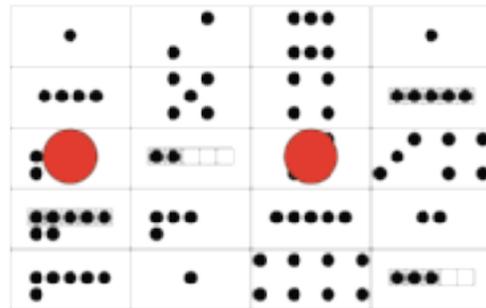
Math Stories



Build Shapes



Make or Break Apart Numbers



Picture Books





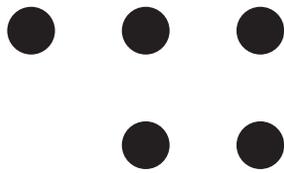
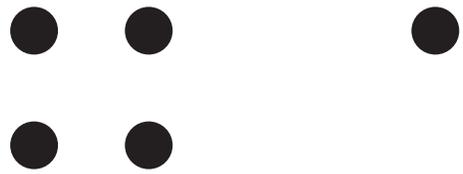
## Lesson 7: Create Number Books (Part 2)

- Let's make a number book about our school.

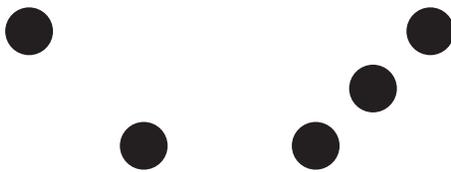
### Warm-up: How Many Do You See: Different Dots

How many do you see?

How do you see them?









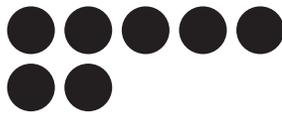
## Lesson 8: Find Someone Who, Find Something That

- Let's learn more about our classmates and our classroom.

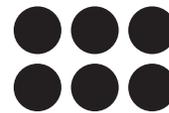
### Warm-up: Which One Doesn't Belong: Representations of 6

Which one doesn't belong?

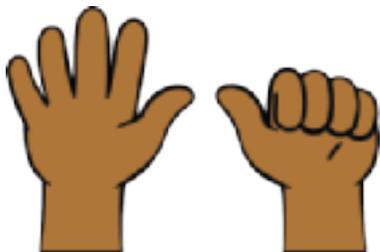
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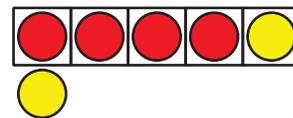
B



C



D





## 8.2: Find Something That

1. Find something that you can count.
2. Find 2 objects that you can compare the weight of.
3. Find something that you know how many there are without counting.
4. Find something that there are 5 of.
5. Find 2 groups of objects that make 10 objects altogether.



6. Find a group of objects that you could use to fill in a 10-frame.
  
  
  
  
  
  
  
  
  
  
7. Find something that you could make using solid shapes.
  
  
  
  
  
  
  
  
  
  
8. Find 2 groups of objects that you can compare the number of.
  
  
  
  
  
  
  
  
  
  
9. Find something that has a number on it.
  
  
  
  
  
  
  
  
  
  
10. Find 2 objects that you can compare the length of.



## **Lesson 9: Where's the Math?**

- Let's ask and answer math questions about our school community.

### **Warm-up: What Do You Know About Our School?**

What do you know about our school?



## **9.1: Another School Walk**

What math questions do you have about our school?



## 9.2: Answer Our Mathematical Questions

Question:

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## Lesson 10: Tell Stories about Our School

- Let's tell math stories about our school.

### Warm-up: Notice and Wonder: Bubbles in the Park

What do you notice?

What do you wonder?





# 10.2: Write Story Problems About Our School

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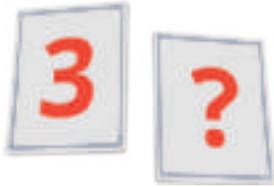
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# 10.3: Centers: Choice Time

Choose a center.

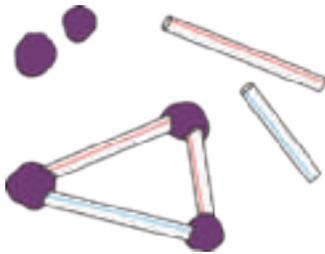
Find the Pair



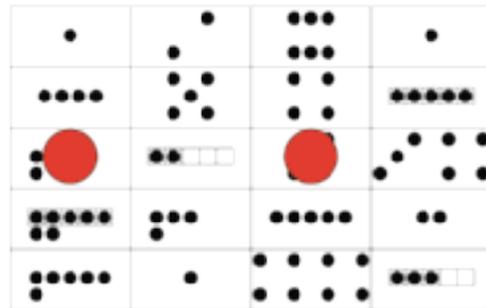
Math Stories



Build Shapes



Make or Break Apart Numbers



Picture Books





## Lesson 11: Share Story Problems

- Let's share and solve our story problems.

### Warm-up: Number Talk: Add and Subtract 2 and 3

Find the value of each expression.

- $3 - 2$

- $3 + 2$

- $4 - 2$

- $4 - 3$

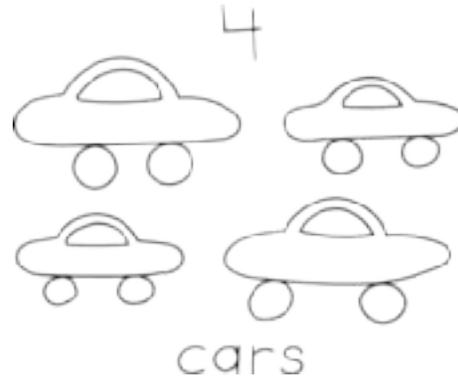


## Section Summary

### Section Summary

In this section, we explored our school community.

We created number books to show important things from our school.



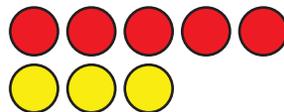
We asked questions about our school and used tools to answer the questions.

We told story problems about our school.

There are 5 pictures on one side of the hallway.

There are 3 pictures on the other side of the hallway.

How many pictures are there in the hallway?



$$5 + 3 = 8$$

There are 8 pictures.



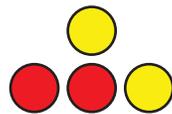
## Lesson 12: Make Dot Images

- Let's make our own groups of dots.

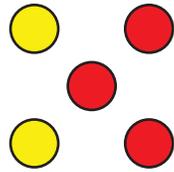
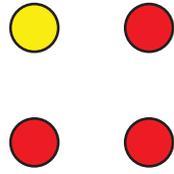
### Warm-up: How Many Do You See: Dots in Different Colors

How many do you see?

How do you see them?





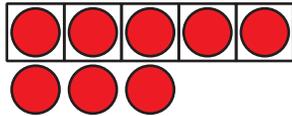




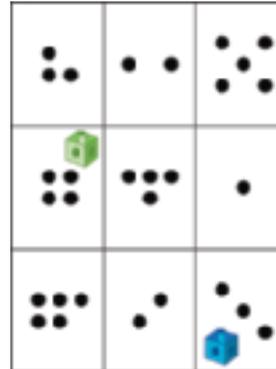
## 12.3: Centers: Choice Time

Choose a center.

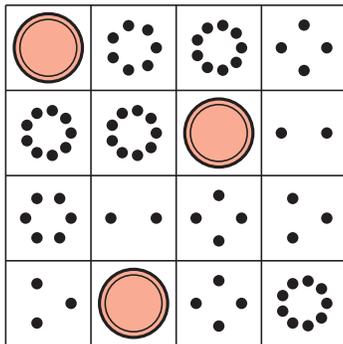
5-frames



Roll and Add



Bingo



Geoblocks



Find the Value of Expressions

$$3 + 5 \quad 7 - 5$$



## Lesson 13: Dominoes to 5

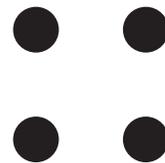
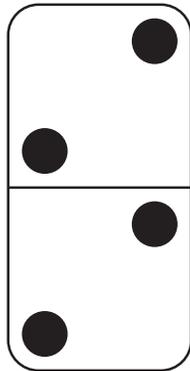
- Let's sort different ways to make numbers to 5.

### Warm-up: Notice and Wonder: Ways to Make 4

What do you notice?

What do you wonder?

$$2 + 2$$





## 13.1: Domino Sort

Sort the dominoes based on the total number of dots.

Choose 1 group.

Write an expression for each domino.

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## 13.2: Compare Dots on Dominoes

Flip over a card.

Compare the number of dots using “fewer” or “the same number.”

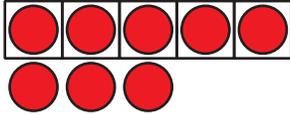
Compare the number of dots using “more” or “the same number.”



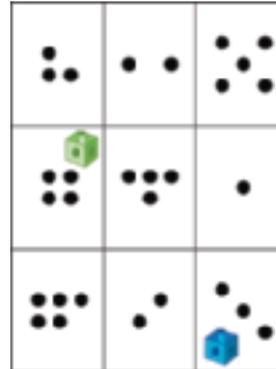
# 13.3: Centers: Choice Time

Choose a center.

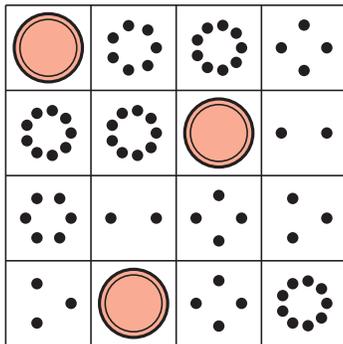
5-frames



Roll and Add



Bingo



Geoblocks



Find the Value of Expressions

$$3 + 5 \quad 7 - 5$$



## **Lesson 14: Sort and Color Expressions and Images within 5**

- Let's practice adding and subtracting.



# 14.1: Owl Color

Color each section.

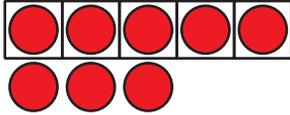




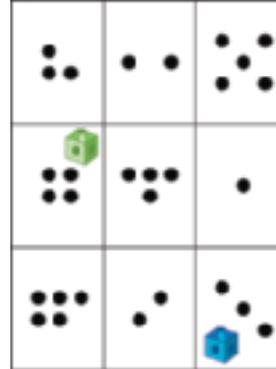
# 14.3: Centers: Choice Time

Choose a center.

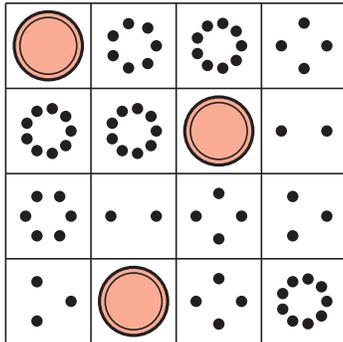
5-frames



Roll and Add



Bingo



Geoblocks



Find the Value of Expressions

$$3 + 5 \quad 7 - 5$$



# Lesson 15: Addition and Subtraction Expressions within 5

- Let's add and subtract within 5.

## Warm-up: Which One Doesn't Belong: Expressions and Equations

Which one doesn't belong?

A

$$3 + 1$$

B

$$3 = 2 + 1$$

C

$$3 + 0$$

D

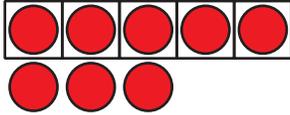
$$4 - 1$$



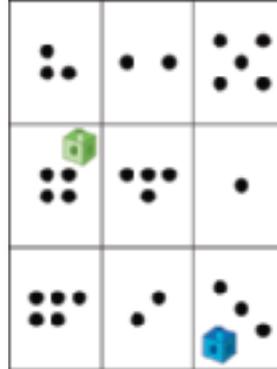
# 15.3: Centers: Choice Time

Choose a center.

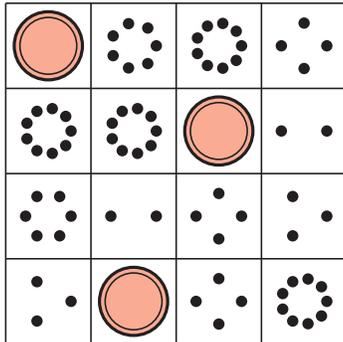
5-frames



Roll and Add



Bingo



Geoblocks



Find the Value of Expressions

$$3 + 5 \quad 7 - 5$$



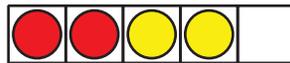
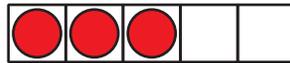
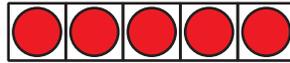
# Lesson 16: Parts to Make 5

- Let's find the missing part.

## Warm-up: How Many Do You See: Add and Subtract

How many do you see?

How do you see them?





## 16.1: Revisit Shake and Spill, Cover

Put 3, 4, or 5 counters in the cup.

Shake and spill the counters.

Hide some of the counters under the cup.

Figure out how many of the counters are hidden.

Write an expression.



## 16.2: Missing Value

Fill in the missing part of each equation.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

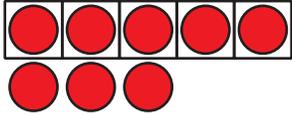
$3 + \underline{\quad} = 5$



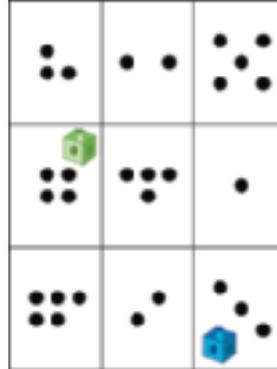
# 16.3: Centers: Choice Time

Choose a center.

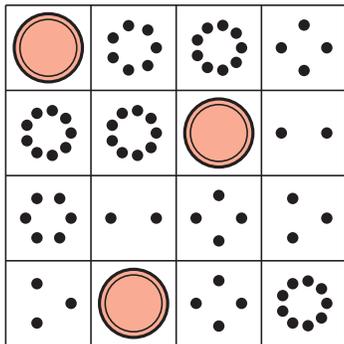
5-frames



Roll and Add



Bingo



Geoblocks



Find the Value of Expressions

$$3 + 5 \quad 7 - 5$$

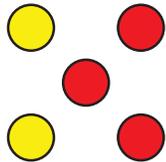


## Section Summary

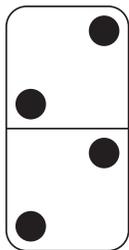
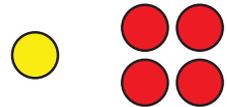
### Section Summary

In this section, we showed different ways to make numbers to 5.

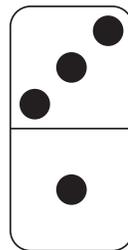
$$5 = 3 + 2$$



$$1 + 4 = 5$$



$$2 + 2 = 4$$



$$4 = 3 + 1$$

We added and subtracted within 5.

$$2 + 1 = 3$$



$$5 - 2 = 3$$



We filled in the missing part in equations.

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

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

$$2 + \underline{1} = 3$$

$$5 - \underline{3} = 2$$

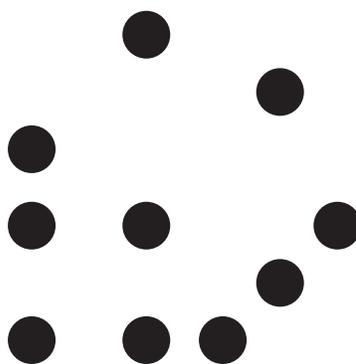


## Lesson 17: Make and Break Apart 10

- Let's look for groups that make 10.

### Warm-up: Estimation Exploration: 5 and 5 makes 10

1. How many dots are there?

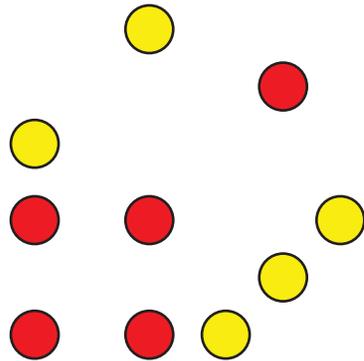


Record an estimate that is:

too low	about right	too high



2. How many dots are there?



Record an estimate that is:

too low	about right	too high



## 17.2: Make and Break Apart 10

- $7 + 3 = 10$

- $10 = 4 + 6$

- $9 + 1 = 10$

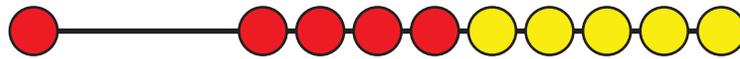
- $10 = 2 + 8$



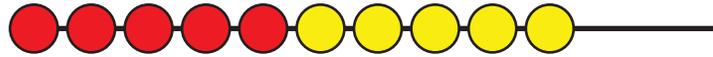
• \_\_\_\_\_ + \_\_\_\_\_ = 10



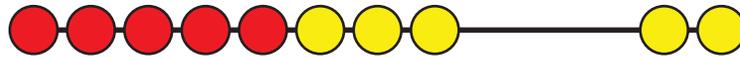
• 10 = \_\_\_\_\_ + \_\_\_\_\_



• \_\_\_\_\_ + \_\_\_\_\_ = 10



• \_\_\_\_\_ + \_\_\_\_\_ = 10

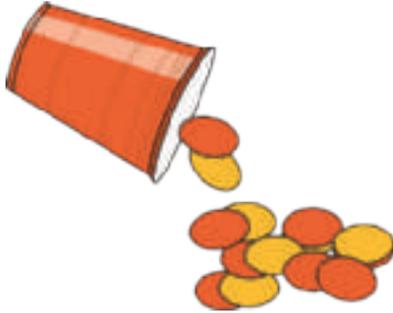




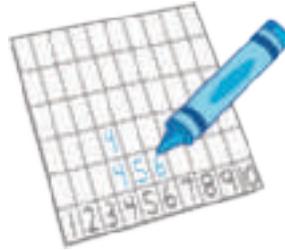
# 17.3: Centers: Choice Time

Choose a center.

Shake and Spill



Number Race



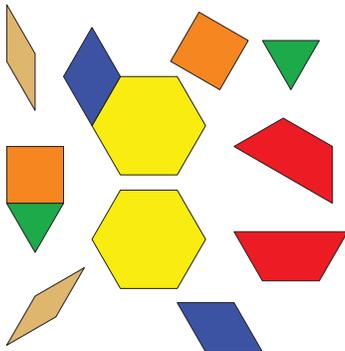
Grab and Count



What's Behind My Back?



Pattern Blocks





## Lesson 18: All the Ways to Make 10

- Let's find all the ways to make 10.

### Warm-up: Number Talk: Add and Subtract 1

Find the value of each expression.

- $4 + 1$

- $5 + 1$

- $8 - 1$

- $7 - 1$



## 18.1: Ten Pigeons

1. There are 6 pigeons in the fountain.  
There are 4 pigeons on the bench.  
How many pigeons are there?

Show your thinking with objects, drawings, numbers, or words.

2. There were 10 pigeons.  
Some of the pigeons were in the fountain.  
The rest of the pigeons were on the bench.  
How many of the pigeons were in the fountain?  
Then how many of the pigeons were on the bench?

Show your thinking with objects, drawings, numbers, or words.



## 18.2: All of the Ways to Make 10

There were 10 pigeons.

Some of the pigeons were in the fountain.

The rest of the pigeons were on the bench.

How many of the pigeons were in the fountain?

Then how many of the pigeons were on the bench?

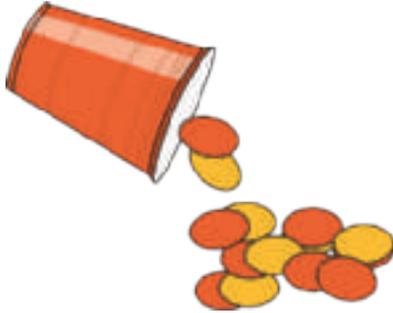
Show your thinking with objects, drawings, numbers, or words.



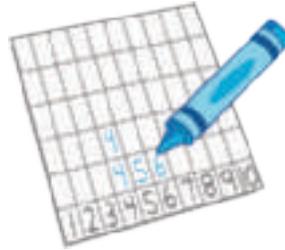
## 18.3: Centers: Choice Time

Choose a center.

Shake and Spill



Number Race



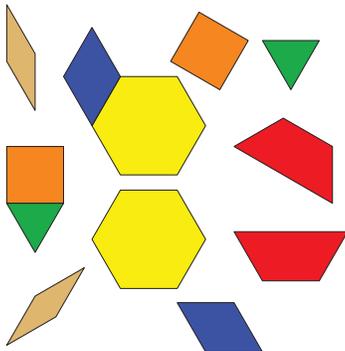
Grab and Count



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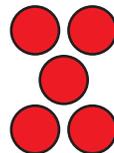
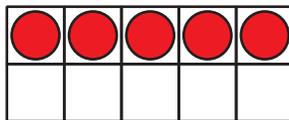
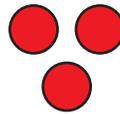
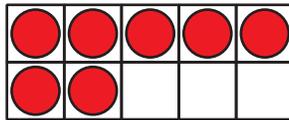
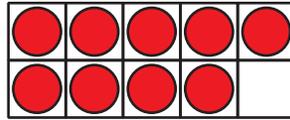
# Lesson 19: Find the Number that Makes 10

- Let's add to make 10.

## Warm-up: How Many Do You See: Make 10

How many do you see?

How do you see them?





## 19.1: Color the Number to Make 10

- Partner A: Color in 1 number.
- Partner B: Color in the number that makes 10 with the same color.
- Switch colors and roles and repeat.

10	5	3	2
7	1	9	8
4	8	9	4
6	2	3	0
1	7	5	6

Choose your favorite way to make 10.

Fill in the equation.

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



## 19.2: Add to Make 10

Fill in the equation to show ways to make 10.

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

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

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

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

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

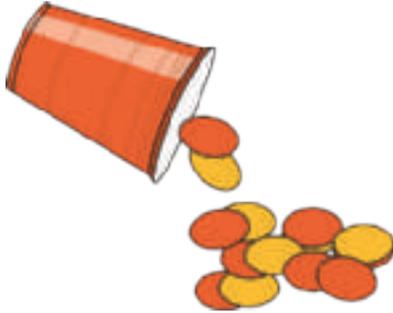
- $10 = 7 + \underline{\quad}$



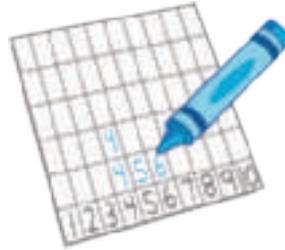
## 19.3: Centers: Choice Time

Choose a center.

Shake and Spill



Number Race



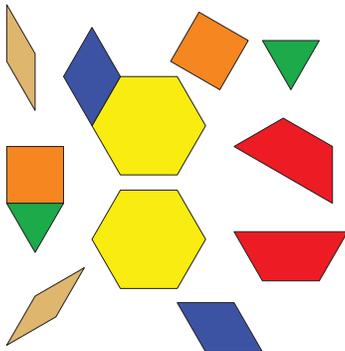
Grab and Count



What's Behind My Back?



Pattern Blocks

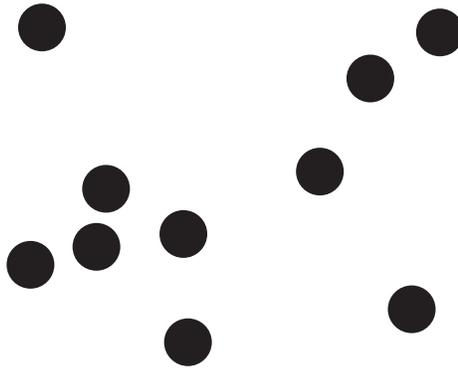




## Lesson 20: More or Less than 10?

- Let's decide if there are more or fewer than 10 things in a group.

### Warm-up: Estimation Exploration: Close to 10



Record an estimate that is:

too low	about right	too high



## 20.1: Use 10 to Estimate

Write “more” or “fewer” to finish each sentence.

1. I think there are \_\_\_\_\_ than 10 pencils.



How many pencils are there? \_\_\_\_\_

2. I think there are \_\_\_\_\_ than 10 pencils.



How many pencils are there? \_\_\_\_\_



3. I think there are \_\_\_\_\_ than 10 pencils.



How many pencils are there? \_\_\_\_\_

4. I think there are \_\_\_\_\_ than 10 pencils.



How many pencils are there? \_\_\_\_\_



5. I think there are \_\_\_\_\_ than 10 pencils.

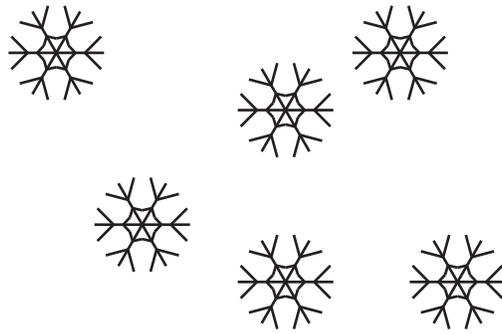


How many pencils are there? \_\_\_\_\_

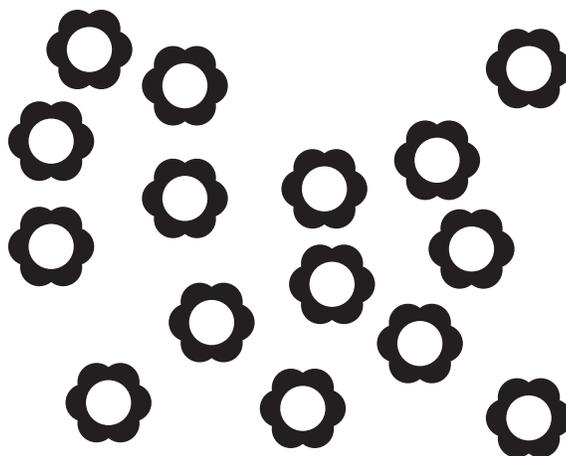


## 20.2: Could She Be Right?

1. Elena says there are about 11 snowflakes.  
Do you think she could be right?  
Why or why not?

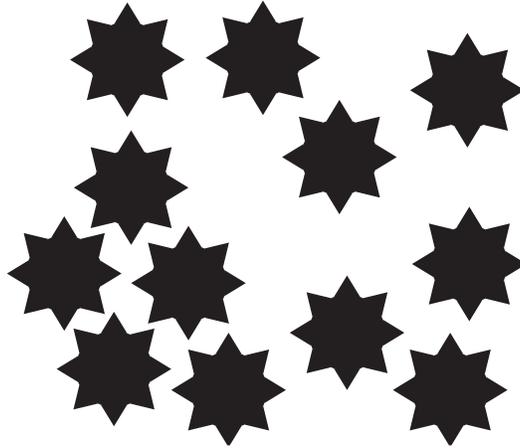


2. Elena says there are about 8 flowers.  
Do you think she could be right?  
Why or why not?



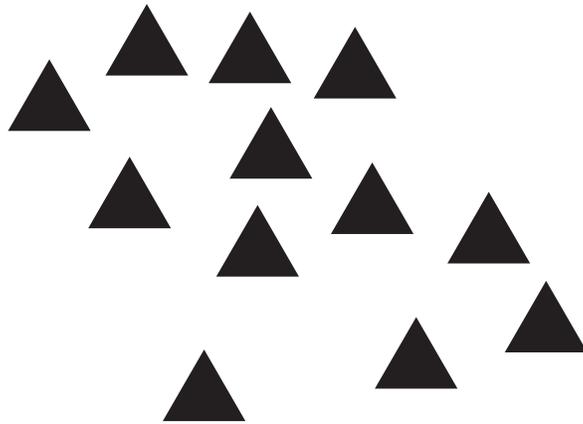


3. Elena says there are about 11 suns.  
Do you think she could be right?  
Why or why not?





Synthesis:

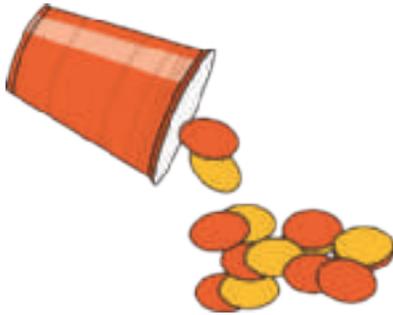




## 20.3: Centers: Choice Time

Choose a center.

Shake and Spill



Number Race



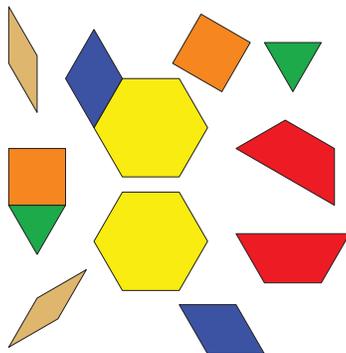
Grab and Count



What's Behind My Back?



Pattern Blocks





# Lesson 21: Compose and Decompose Numbers 11-19

- Let's make groups of 10.

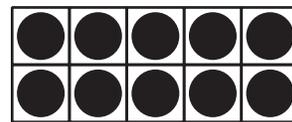
## Warm-up: Which One Doesn't Belong: Numbers 11-20

Which one doesn't belong?

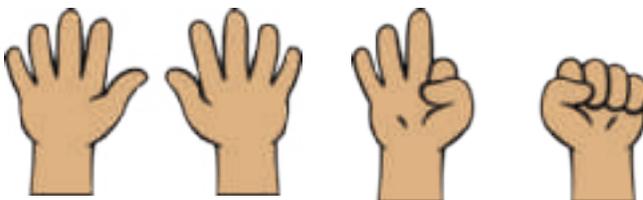
A



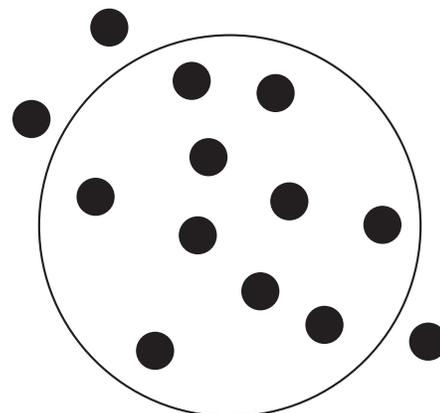
B



C

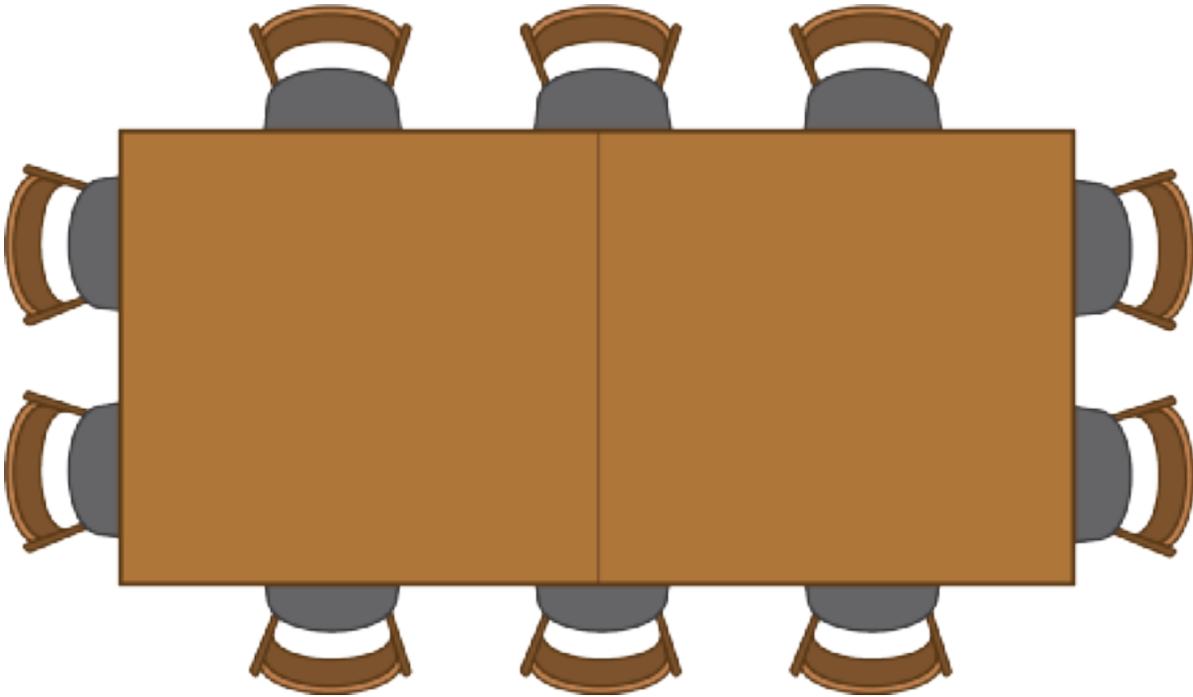


D



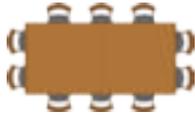


## 21.1: Where Will They Sit?



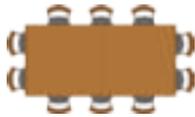


1.



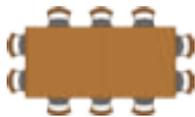
$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

2.



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

3.



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

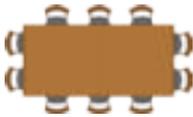


4.



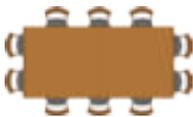
$$\underline{\quad\quad} + \underline{\quad\quad} = \underline{\quad\quad}$$

5.



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

6.



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



## 21.2: Finish the Equations

- $17 = 10 + \underline{\hspace{2cm}}$

- $19 = \underline{\hspace{2cm}} + 9$

- $10 + \underline{\hspace{2cm}} = 14$

- $\underline{\hspace{2cm}} + 2 = 12$

- $11 = \underline{\hspace{2cm}} + 1$

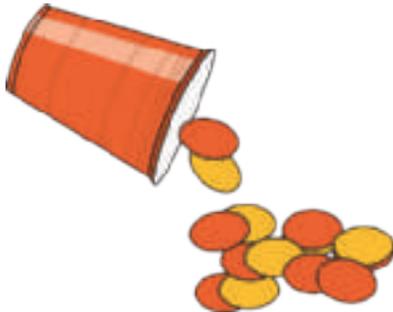
- $15 = 10 + \underline{\hspace{2cm}}$



## 21.3: Centers: Choice Time

Choose a center.

Shake and Spill



Number Race



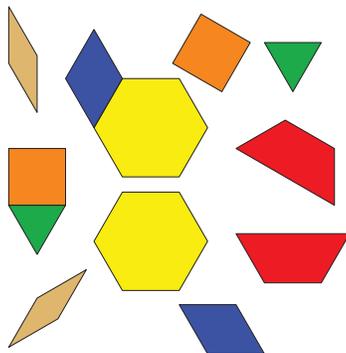
Grab and Count



What's Behind My Back?



Pattern Blocks

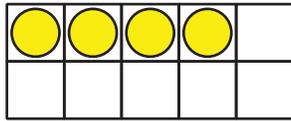




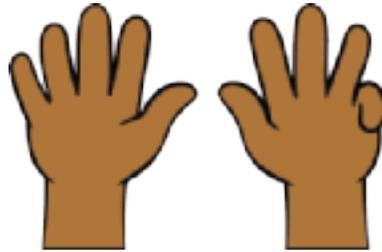
## Section Summary

### Section Summary

In this section, we used our fingers, objects, 10-frames, and drawings to find all of the ways to make 10.



$$10 = 4 + 6$$



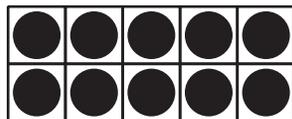
$$10 = 9 + 1$$

We figured out how many more are needed to make 10.

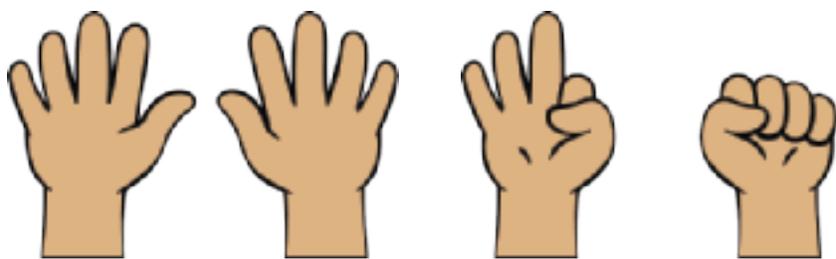
$$10 = 8 + \underline{\quad}$$

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

We showed numbers 11–19 as 10 and some more.



$$15 = 10 + 5$$



$$10 + 3 = 13$$



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