

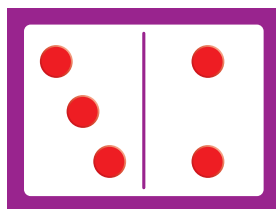
# Comparing and Ordering Numbers

## Review What You Know

1. Circle the group that has more.



2. Write the number that tells how many.



\_\_\_\_\_

3. Count the cubes.  
Write the number.



\_\_\_\_\_



## Home-School Connection

Dear Family,

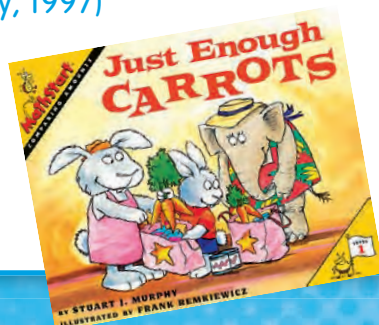
Today my class started Topic 2, **Comparing and Ordering Numbers**. I will learn ways to compare numbers and order them from least to greatest. Here are some of the new math words I will be learning and some things we can do to help me with my math.

Love,

### Book to Read

Reading math stories reinforces concepts. Look for this title in your local library:

**Just Enough Carrots**  
by Stuart J. Murphy  
(HarperTrophy, 1997)



### Home Activity

Have your child compare two groups of items, such as forks and spoons, crayons and pencils, or shoes and socks. Have him or her determine which group has more items.



## My New Math Words

**more**

the group with a greater number of objects



The group with 5 cars has more cars.

**less than**

number with a smaller value or quantity

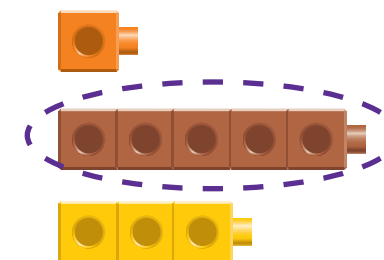
2 is less than 4.



**greatest**

a number or a group with the largest value

5 is the greatest number.





**Number of players: 2**

**How to Play**

1. Put the number cards facedown on the game board. Place markers on Start.
2. Take turns. Choose 2 cards. Place them on the number line. Find the number that is greater. Then move your marker that many spaces.
3. Return cards to bottom of number pile.
4. Keep playing until you both reach Finish.

# Which Number is Greater?

Start

Finish

**What You Need**

- Number Cards 1-9
- 2 game markers



0

1

2

3

4

5

6

7

8

9

10



Name \_\_\_\_\_



# Comparing Two Numbers



1. \_\_\_\_\_ is less than \_\_\_\_\_  
\_\_\_\_\_ is greater than \_\_\_\_\_

2. \_\_\_\_\_ is less than \_\_\_\_\_  
\_\_\_\_\_ is greater than \_\_\_\_\_

3. \_\_\_\_\_ is less than \_\_\_\_\_  
\_\_\_\_\_ is greater than \_\_\_\_\_

4. \_\_\_\_\_ is less than \_\_\_\_\_  
\_\_\_\_\_ is greater than \_\_\_\_\_

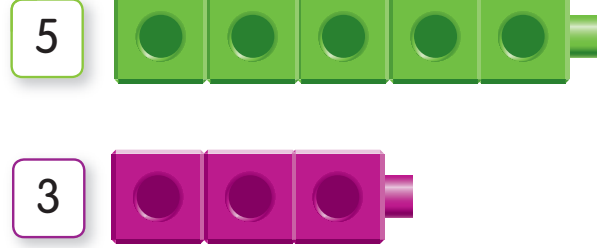
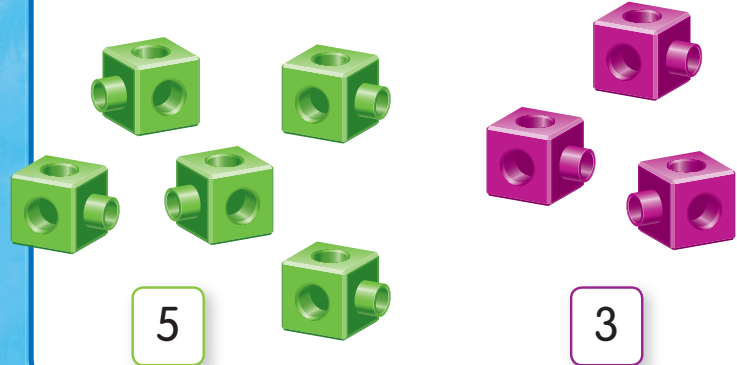


**Home Connection** Your child compared two groups of cubes to determine which group had more or which group had fewer.

**Home Activity** Put 12 small objects in each of 2 containers. Have your child take some objects from each container. Ask him or her to determine which group has more and then which group has fewer.

**NS 1.1, Grade K** Compare two or more sets of objects (up to 10 objects in each group) and identify which set is equal to, more than, or less than the other.

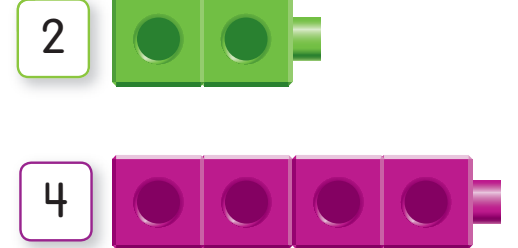
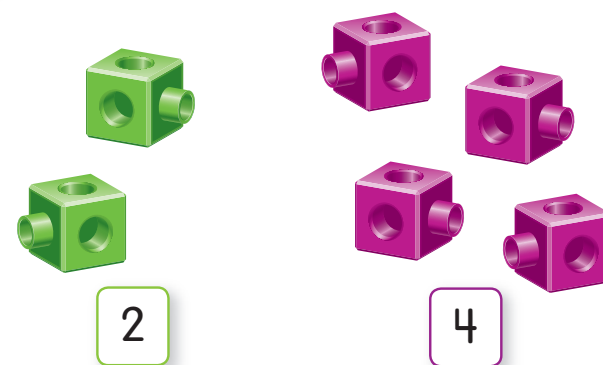
You can stack cubes to find which group has **more**.



5 is **greater than** 3.



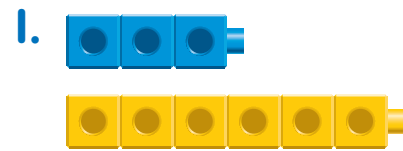
You can also stack cubes to find which group has **fewer**.



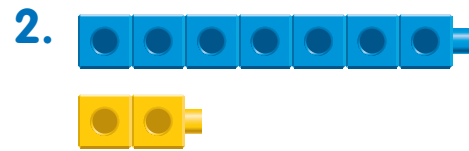
2 is **less than** 4.

### Guided Practice

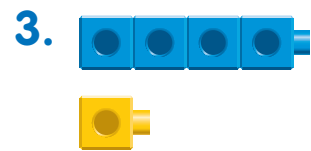
Write each number.  
Circle **is less than** or **is greater than**.



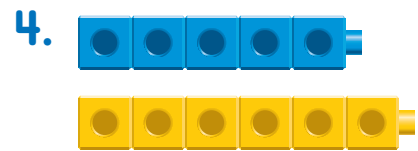
3 ( is less than ) 6  
is greater than



\_\_\_\_\_ is less than \_\_\_\_\_  
\_\_\_\_\_ is greater than \_\_\_\_\_



\_\_\_\_\_ is less than \_\_\_\_\_  
\_\_\_\_\_ is greater than \_\_\_\_\_

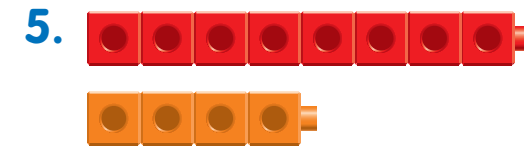


\_\_\_\_\_ is less than \_\_\_\_\_  
\_\_\_\_\_ is greater than \_\_\_\_\_

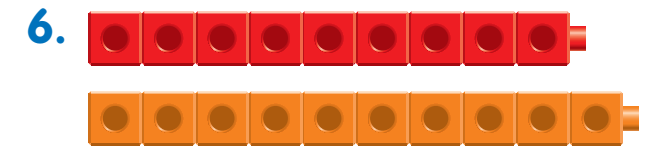
**Do you understand?** How can you tell if a number is greater than or less than another number?

### Independent Practice

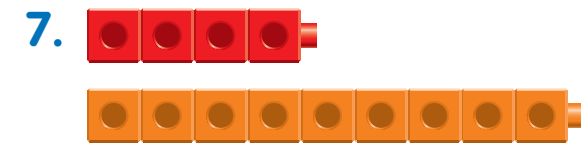
Write each number.  
Circle **is less than** or **is greater than**.



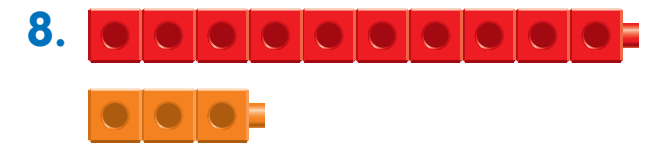
\_\_\_\_\_ is less than \_\_\_\_\_  
\_\_\_\_\_ is greater than \_\_\_\_\_



\_\_\_\_\_ is less than \_\_\_\_\_  
\_\_\_\_\_ is greater than \_\_\_\_\_



\_\_\_\_\_ is less than \_\_\_\_\_  
\_\_\_\_\_ is greater than \_\_\_\_\_



\_\_\_\_\_ is less than \_\_\_\_\_  
\_\_\_\_\_ is greater than \_\_\_\_\_

**Algebra** Use the clues. Write the number.

9. My number is greater than 9.  
It is less than 11.

My number is \_\_\_\_\_.

### Word Bank

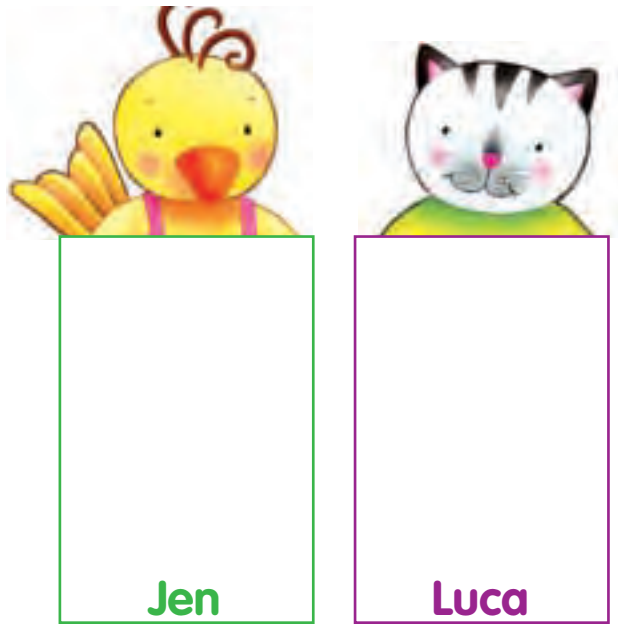
more fewer  
greater than less than

## Problem Solving

Solve the problems below.

10. Jen has 10 grapes.  
Luca has 6 grapes.  
Who has more grapes?  
Draw a picture to show  
the story.

\_\_\_\_\_



11. Jan read more than 7 books.  
She read fewer than 10 books.

How many books did Jan read?

3



6




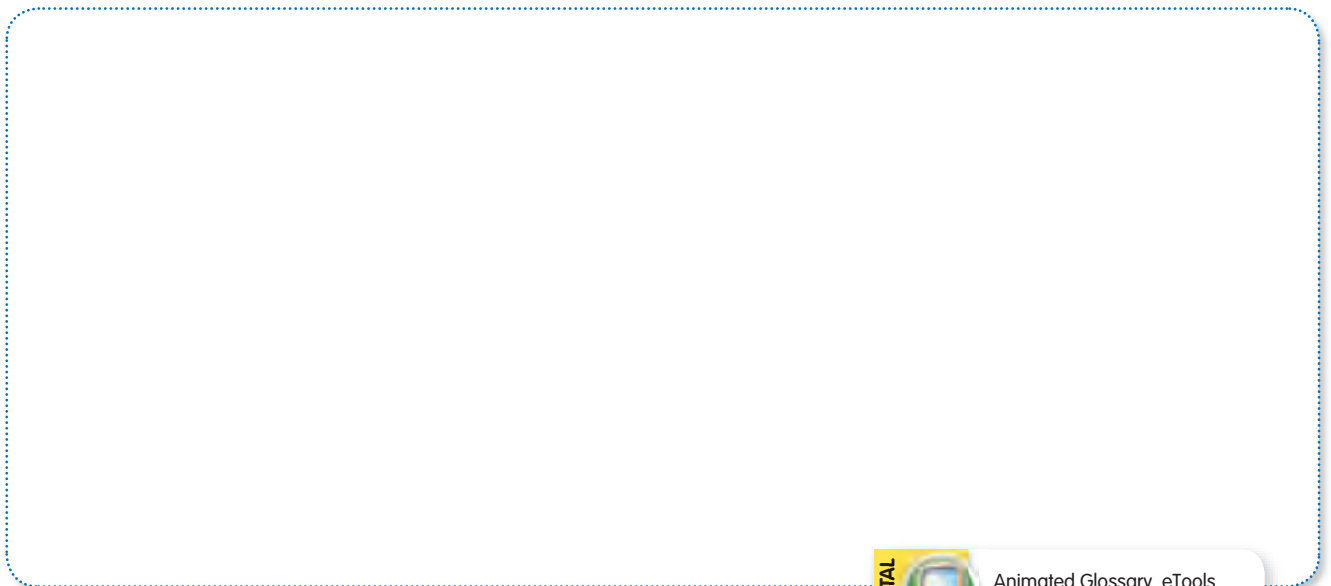
7



9



12.  **Journal** Draw a picture of bugs.  
Show more than 3 bugs. Show fewer than 8 bugs.



Name \_\_\_\_\_

# Ordering Three Numbers



1.

\_\_\_\_\_ least

\_\_\_\_\_ between

\_\_\_\_\_ greatest

2.

\_\_\_\_\_ least

\_\_\_\_\_ between

\_\_\_\_\_ greatest

3.

\_\_\_\_\_ least

\_\_\_\_\_ between

\_\_\_\_\_ greatest



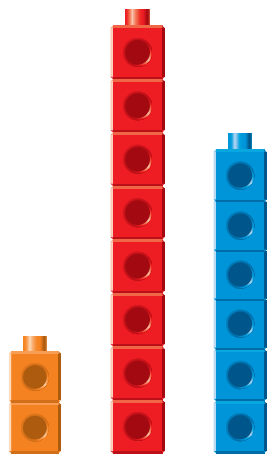
**Home Connection** Your child made cube towers and compared three numbers to put them in order from least to greatest.

**Home Activity** Have your child make a set of number cards from 1 through 12 on slips of paper. Mix up the cards. Have your child select three cards without looking and put them in order from least to greatest and greatest to least.

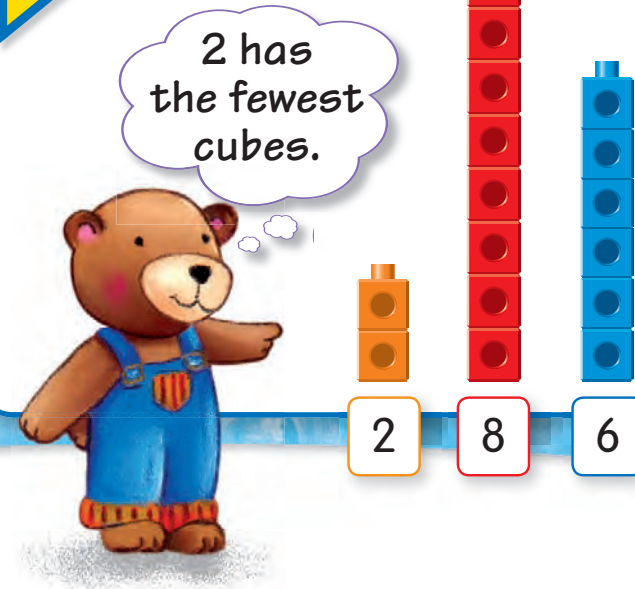
**NS 1.1, Grade K** Compare two or more sets of objects (up to 10 objects in each group) and identify which set is equal to, more than, or less than the other.



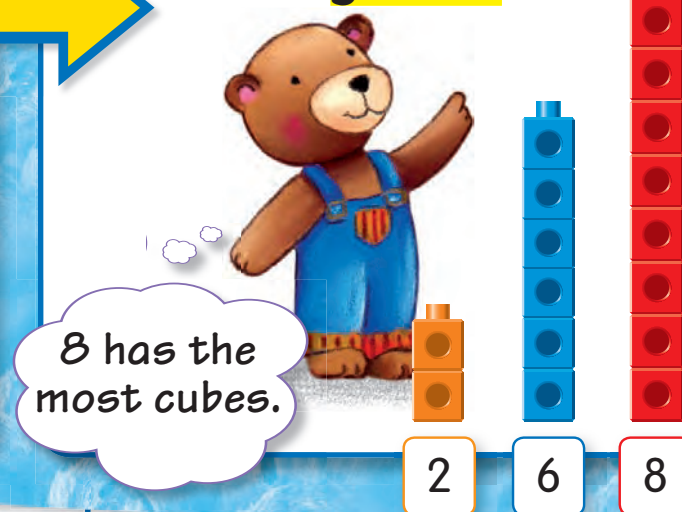
You can use cube towers to put numbers in order.



2 is the **least**.



8 is the **greatest**.



6 is **between** 2 and 8.



### Guided Practice

Count the cubes.  
Write the numbers in order  
from least to greatest.

1.

5   2   9

2   5   9

least   between   greatest

2.

least   between   greatest

**Do you understand?** How can you tell which number is least?

### Independent Practice

Use cubes.  
Write the numbers in order  
from least to greatest.

3.

6   1   3

least   between   greatest

4.

5   7   4

least   between   greatest

5.

4   9   6

least   between   greatest

6.

10   2   5

least   between   greatest

**Reasoning** Use cubes. Write who has the least.

7. Jim has 4 cubes. Rosa has 1 more cube than Jim.  
Pat has 2 fewer cubes than Rosa.

\_\_\_\_\_ has the least.

### Word Bank

least  
greatest  
between

## Problem Solving

Solve the problems below.

8. Jen draws 4 trees.  
Steve draws 8 trees.  
Luca draws 3 trees.  
Who draws the least  
number of trees?  
Draw a picture to solve.



Jen



Steve



Luca


9. Stacy paints 6 pots.  
Yin paints 2 pots.  
Mario paints 4 pots.  
Which shows the number  
of pots from least to greatest?

2, 4, 6

2, 6, 4

4, 2, 6

6, 4, 2

10.  **Journal** Choose three numbers less than 10.  
Put your numbers in order from greatest to least.

Blank area for journaling.



Name \_\_\_\_\_



# Ordering Numbers to 12 with a Number Line



3      5      6  
before      after



1.   
before      after

2.   
before      after

3.   
before      after

4.   
before      after

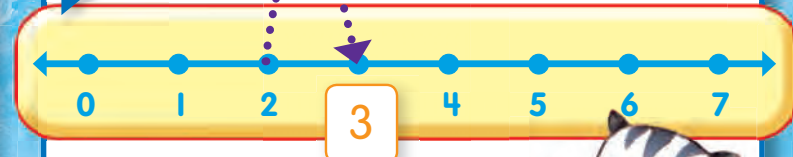
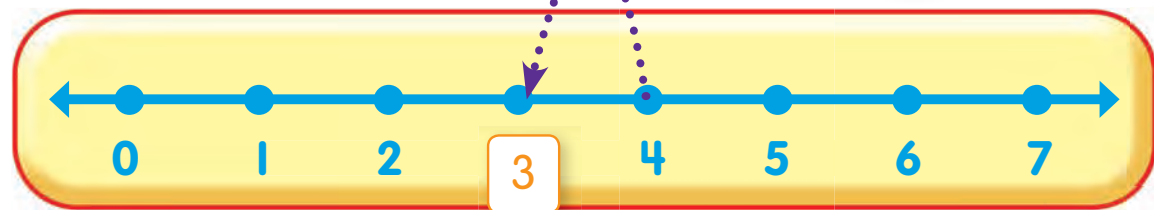


**Home Connection** Your child used a number line to order numbers to 12.

**Home Activity** Use only the first 12 pages of a book or magazine. Ask questions such as: What page comes after page 5? What page comes before page 3? What page comes between pages 7 and 9?

**NS 1.2, Grade K** Count, recognize, represent, name, and order a number of objects (up to 30).

You can use a number line to tell if a number is before, after, or between other numbers.



### Guided Practice

Use the number line below.  
Write the number that is **before**.

1. 3 4 5

2. \_\_\_\_\_ 9 10

Write the number that is **after**.

3. 5 6 \_\_\_\_\_

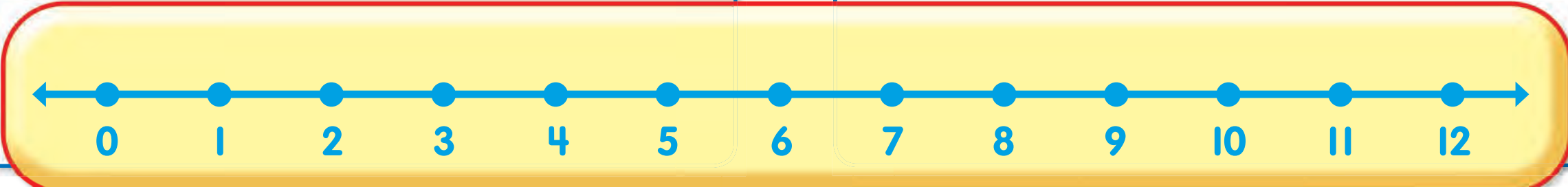
4. 10 11 \_\_\_\_\_

Write the number that is **between**.

5. 8 \_\_\_\_\_ 10

6. 9 \_\_\_\_\_ 11

**Do you understand?** Do you look left or right to find the number before 2?



### Independent Practice

Use the number line below.  
Write the missing numbers.

7. 4 5 6 \_\_\_\_\_ 8 9 \_\_\_\_\_

8. 2 3 \_\_\_\_\_ 5 \_\_\_\_\_ 7 8

9. 1 \_\_\_\_\_ 3 \_\_\_\_\_ 5 6 \_\_\_\_\_

**Algebra** Use the clues. Write the number.

10. My secret number is between 4 and 9.  
It is after 7.

**secret number**  
\_\_\_\_\_

### Word Bank

before  
after



## Problem Solving

Solve the problems below.



- 11.** Kathy reads a book. She reads page 10. Then she skips a page. She reads page 12.

What page did Kathy skip?

\_\_\_\_\_

- 12.** Yuko gets a number for a race. His number is between 7 and 9.


What is Yuko's number?

\_\_\_\_\_

- 13.** Anita has some crayons. The number she has is between 5 and 8.

Which could be the number of crayons Anita has?

- |                       |                       |                       |                       |
|-----------------------|-----------------------|-----------------------|-----------------------|
| 4                     | 7                     | 9                     | 11                    |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

- 14.**  **Journal** Describe the number that comes after 8. Use pictures or words. Write the number.

Name \_\_\_\_\_

Problem Solving

# Act It Out



1.

\_\_\_\_\_ least

\_\_\_\_\_ between

\_\_\_\_\_ greatest

2.

\_\_\_\_\_ least


\_\_\_\_\_ between

\_\_\_\_\_ greatest



**Home Connection** Your child used objects to act out ordering numbers to help solve story problems.

**Home Activity** Tell your child three numbers. Have him or her use small objects such as pennies to act out and show the numbers from least to greatest.

**MR 1.1** Determine the approach, materials, and strategies to be used. Also **MR 1.2, NS 1.2** .



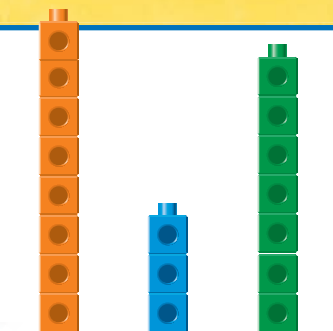
### Read

Jose reads 8 books.  
Lori reads 3 books.  
Ming reads 7 books.  
Who reads the most books?



### Plan

Jose Lori Ming

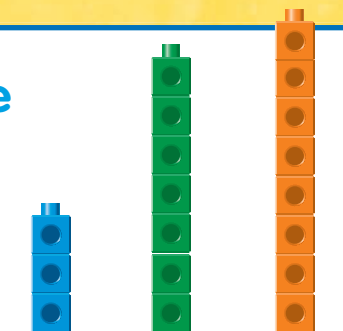


I can use cubes to act out the problem.



### Solve

Lori Ming Jose



I can put the stacks in order from least to greatest.

Jose reads the most books.



### Look Back and Check.

8 is the greatest number. Jose reads 8 books.

### Guided Practice

Use cubes to act out the story.  
Write the numbers in order from least to greatest.

1. Sara has 3 marbles. Bill has 6 marbles. Leo has 4 marbles.
- $\frac{3}{\text{least}}$        $\frac{4}{\text{between}}$        $\frac{6}{\text{greatest}}$

Who has the least marbles? Sara

2. Ray finds 7 shells. Julio finds 10 shells. Lisa finds 12 shells.
- $\frac{\quad}{\text{least}}$        $\frac{\quad}{\text{between}}$        $\frac{\quad}{\text{greatest}}$

Who has the most shells? \_\_\_\_\_

**Do you understand?** How can you check that your numbers are in order from least to greatest?

### Independent Practice

Use cubes to act out the story.  
Write the numbers in order from least to greatest.  
Anita, Yuko, and Jason played a game.

3. Anita tossed a 6. Yuko tossed a 4. Jason tossed a 7.
- $\frac{\quad}{\text{least}}$        $\frac{\quad}{\text{between}}$        $\frac{\quad}{\text{greatest}}$

Who tossed the greatest number? \_\_\_\_\_

4. Then, Anita tossed a 12. Yuko tossed a 10. Jason tossed an 8.
- $\frac{\quad}{\text{least}}$        $\frac{\quad}{\text{between}}$        $\frac{\quad}{\text{greatest}}$

Who tossed the least number? \_\_\_\_\_

5. Next, Anita tossed a 3. Yuko tossed a 9. Jason tossed a 5.
- $\frac{\quad}{\text{least}}$        $\frac{\quad}{\text{between}}$        $\frac{\quad}{\text{greatest}}$

Who tossed the least number? \_\_\_\_\_

6. Then, Anita tossed a 9. Yuko tossed an 11. Jason tossed a 6.
- $\frac{\quad}{\text{least}}$        $\frac{\quad}{\text{between}}$        $\frac{\quad}{\text{greatest}}$

Who tossed the greatest number? \_\_\_\_\_

## Problem Solving

Solve the problems below.

7. Jay has 10 green stamps.  
Lea has 12 blue stamps.  
Rita has 9 pink stamps.  
Write the names in order from who has the least to who has the greatest.  
Use cubes to act out the story.



                                        
least    between    greatest

8. Patty has 7 crayons.  
Rico has 9 crayons.  
Tim has 8 crayons.  
Which shows the number of crayons in order from greatest to least?

7, 8, 9



7, 9, 8




8, 9, 7



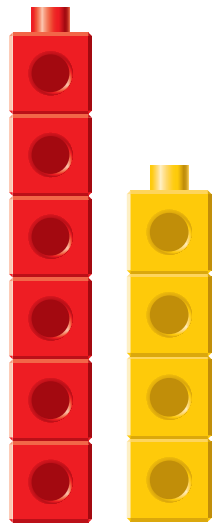
9, 8, 7



9.  **Journal** Use pictures or words to tell a story about three different groups. Put the groups in order from least to greatest.

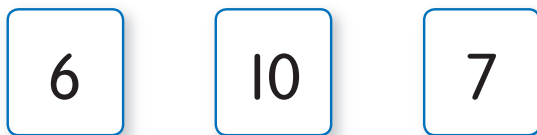


1



- 4 is greater than 6.
- 6 is less than 4.
- 6 is greater than 4.
- 7 is greater than 4.

2



- 6, 7, 10
- 7, 6, 10
- 10, 6, 7
- 10, 7, 6

3



- 3, 5, 9
- 5, 3, 9
- 9, 3, 5
- 9, 5, 3

**Oral Directions** Say: Mark the correct answer. **1.** Look at the cube towers. Which sentence compares them? **2.** Which shows the numbers in order from least to greatest? Use cubes to help. **3.** Which shows the numbers in order from greatest to least? Use cubes to help.

Name \_\_\_\_\_



4 9, 10, \_\_\_\_\_

- 7
- 8
- 11
- 12

5

- 3
- 6
- 8
- 9

6

- 5, 7, 8
- 5, 8, 7
- 7, 8, 5
- 8, 7, 5

7

- Nate, Olivia, Randy
- Randy, Nate, Olivia
- Nate, Randy, Olivia
- Olivia, Randy, Nate

**Oral Directions** Say: Mark the correct answer. **4.** Use the number line. Which number comes next? **5.** Use the number line. Luke has some fish. The number he has is between 4 and 7. How many fish does Luke have? **6.** Use cubes to act out the story. Annie planted 5 seeds. Javy planted 8 seeds. Raina planted 7 seeds. Which shows the number of seeds from the least to the greatest? **7.** Use cubes to act out the story. Randy has 10 ribbons. Nate has 8 ribbons. Olivia has 11 ribbons. Which shows the names in order from who has the greatest to who has the least?

### Set A

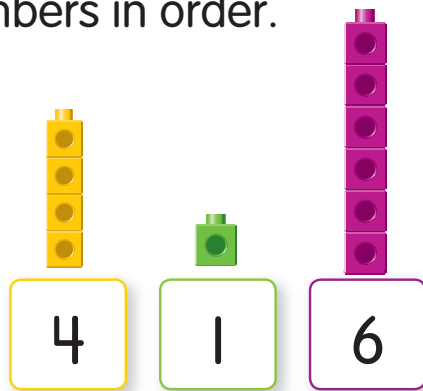
You can stack cubes to find which group has more.



6 is less than 5  
(is greater than)  
6 is greater than 5.



### Set B



You can use cube towers to put numbers in order.



least between greatest

Write each number. Circle is less than or is greater than.

1  is less than   
\_\_\_\_\_ is greater than \_\_\_\_\_

2  is less than   
\_\_\_\_\_ is greater than \_\_\_\_\_

Use cubes. Write the numbers in order from least to greatest.

3 4 3 8  
\_\_\_\_\_ least \_\_\_\_\_ between \_\_\_\_\_ greatest

4 10 1 5  
\_\_\_\_\_ least \_\_\_\_\_ between \_\_\_\_\_ greatest

### Set C

You can use a number line to find missing numbers.



Write the missing number.

2 3 4

Use the number line. Write the missing numbers.

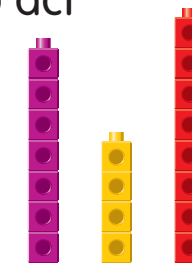
5 7 \_\_\_\_\_ 9

6 4 \_\_\_\_\_ 6

### Set D

You can use cubes to act out a story.

Ed is 7. Ann is 4.  
Reza is 8.



4 7 8  
least between greatest

Who is oldest? Reza  
8 is the greatest number.  
So Reza is oldest.

Use cubes to act out the story. Write the numbers in order from least to greatest.

7 Mary made 5 cards.  
Jim made 9 cards.  
Saul made 6 cards.

\_\_\_\_\_ least \_\_\_\_\_ between \_\_\_\_\_ greatest

Who made the most cards?  
\_\_\_\_\_