

Model and Draw


Children at the Playground

	swings						
	slide						

A **picture graph** uses pictures to show information.

Each  stands for 1 child.















There are 4 children on the .

There are 2 children on the .

There are more children on the _____.


Share and Show


Our Favorite Activity at the Fair

	animals							
	rides							

Each  stands for 1 child.



Use the picture graph to answer the question.

1. Which activity did more children choose? Circle.



2. How many children chose ? _____ children

3. How many children chose ? _____ children

4. How many fewer children chose  than ? _____ fewer children

576 five hundred seventy-six

Name _____

On Your Own


What We Drink for Lunch									
	milk								
	juice								
	water								



Each  stands for 1 child.

Use the picture graph to answer the question.

5. How many children drink ? _____ children




6. How many children in all drink  and ? _____ children

7. How many fewer children drink  than ? _____ fewer children

8. How many more children drink  than ? _____ more children

9. **THINK SMARTER** How many children in all drink , , and ? _____ children



10. **GO DEEPER** 4 new children join the class. They drink  at lunch. Now, how many more children drink  than ? _____ more children

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Problem Solving • Applications



WRITE

Math



Our Favorite Animal at the Zoo

	zebras								
	lions								
	seals								

Each stands for 1 child.



MATHEMATICAL PRACTICE

Write an Equation Write a number

sentence to solve the problem.



11. How many children chose and altogether?

$$\underline{\quad} \bigcirc \underline{\quad} \bigcirc \underline{\quad}$$

_____ children



12. How many more children chose than ?

$$\underline{\quad} \bigcirc \underline{\quad} \bigcirc \underline{\quad}$$

_____ more children



13. **GO DEEPER** How many more children chose than and altogether?

$$\underline{\quad} \bigcirc \underline{\quad} \bigcirc \underline{\quad}$$

_____ more children



14. **THINK SMARTER** Use the graph at the top. How many children chose ?



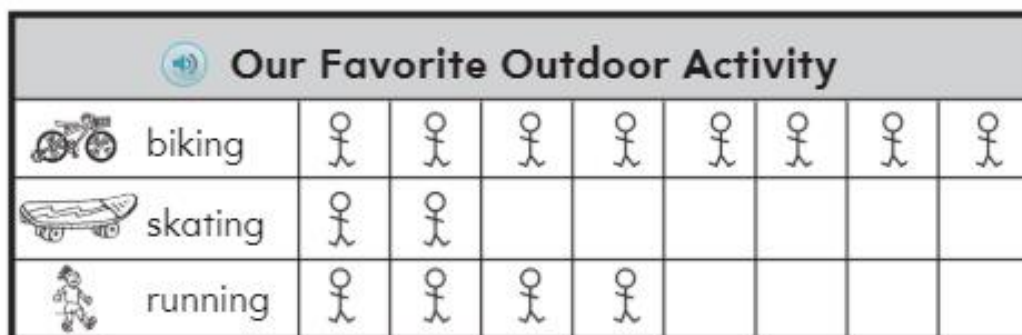
TAKE HOME ACTIVITY • Keep track of the weather for one week by drawing a picture each day to show if it is sunny, cloudy, or rainy. At the end of the week, ask your child what the weather was like for most of the week.

Name _____

Read Picture Graphs



COMMON CORE STANDARD—1.MD.C.4
Represent and interpret data.



Each stands for 1 child.

Use the picture graph to answer the question.

1. How many children chose ?

_____ children

2. How many children chose and altogether?

_____ children

Problem Solving

Write a number sentence to solve the problem.
Use the picture graph at the top of the page.

3. How many more children chose than ?

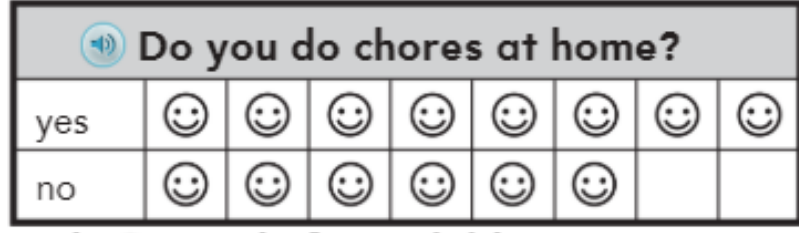
_____ more children

___ ○ ___ ○ ___

4. **WRITE** Math Use numbers and pictures to show why a row with 6 smiley faces has one more than a row with 5 smiley faces.

Lesson Check (1.MD.C.4)

Use the picture graph to answer the question.



Each 😊 stands for 1 child.

1. How many children do chores at home?
Write the number.

_____ children

2. How many more children answered yes than no? Write a number sentence to solve the problem.

_____ more children

___○___○___

Spiral Review (1.NBT.A.1, 1.NBT.C.5)

3. What number is ten less than 82?
Circle the number. Then write the number sentence.

92 83 81 72

_____ - 10 _____

4. Count forward. What number is missing?
Write the number.



110, 111, 112, _____, 114

580 five hundred eighty



Model and Draw

- Are there more black or white sheep in the picture? Make a picture graph to find out.

Sheep in the Meadow							
	black	<input type="checkbox"/>					
	white						




Each stands for 1 sheep.

- There are more _____ sheep.

Share and Show



- Do more children like cats or dogs?
Ask 10 friends which pet they like better.
Draw 1 circle for each child's answer.

Our Favorite Pet										
	cats									
	dogs									

Each stands for 1 child.

- Use the picture graph to answer each question.

1. How many children chose ? _____ children

2. How many children chose ? _____ children

3. Which pet did more children choose? Circle.



582 five hundred eighty-two

Name _____


On Your Own

Which activity do the most children like best?
Ask 10 friends. Draw 1 circle for each child's answer.



Our Favorite Activity										
 reading										
 computer										
 sports										

Each ○ stands for 1 child.

MATHEMATICAL PRACTICE Use **Graphs** Use the picture graph to answer the question.

4. How many children chose ?

_____ children

5. How many children chose  and ?

_____ children

6. Which activity did the most children choose? Circle.



7. Did all your classmates make picture graphs that look the same? Circle **yes** or **no**.

THINK SMARTER Write your own question about the graph.

GO DEEPER Look at the question you wrote. Answer your question.



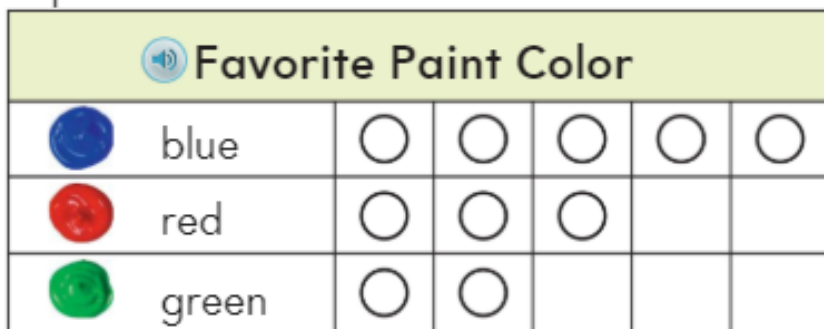
Problem Solving • Applications



WRITE

Math



Matt made this picture graph to show the paint colors his friends like best.



Each  stands for 1 child.

10. How many children chose a paint color?

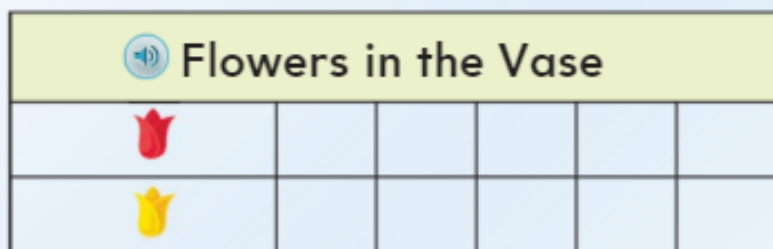
_____ children

11. How many fewer children chose  than ?

_____ fewer children

Personal Math Trainer

12. **THINK SMARTER +** Complete the picture graph to show the number of flowers.



Each  stands for 1 flower.



TAKE HOME ACTIVITY • Ask your child to make a picture graph showing how many glasses of water each family member drinks in a day. Discuss how to find who drinks the most water.






Name _____

Make Picture Graphs




COMMON CORE STANDARD—1.MD.C.4
Represent and interpret data.




- Which dinosaur do the most children like best? Ask 10 friends.
Draw 1 circle for each child's answer.

Our Favorite Dinosaur										
 Tyrannosaurus										
 Triceratops										
 Apatosaurus										

Each ○ stands for 1 child.


- Use the picture graph to answer the question.

1. How many children chose  ?
_____ children

2. Which dinosaur did the most children choose? Circle.
  

Problem Solving 

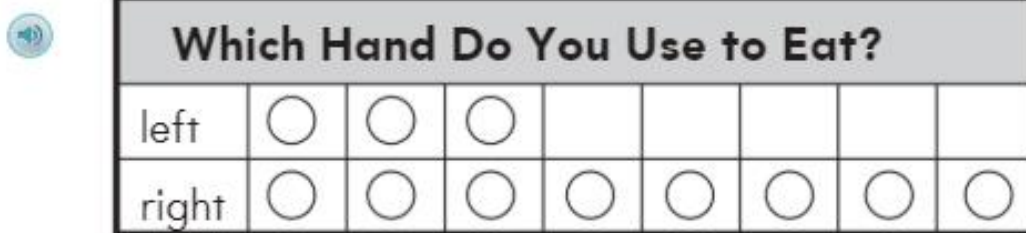
3. Write your own question about the graph.

4.  **Math** Write a question that can be answered by making a picture graph.

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Lesson Check (1.MD.C.4)

Use the picture graph to answer the question.



Each ○ stands for 1 child.

1. How many children use their right hand?
Write the answer.

_____ children

2. How many more children use their right hand than their left? Write a number sentence to solve the problem.

_____ more children

_____ ○ _____ ○ _____

Spiral Review (1.OA.C.6, 1.NBT.C.6)

3. Write the sum.

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

4. Write the difference. Write how many tens.

$$60 - 20 = \underline{\quad}$$

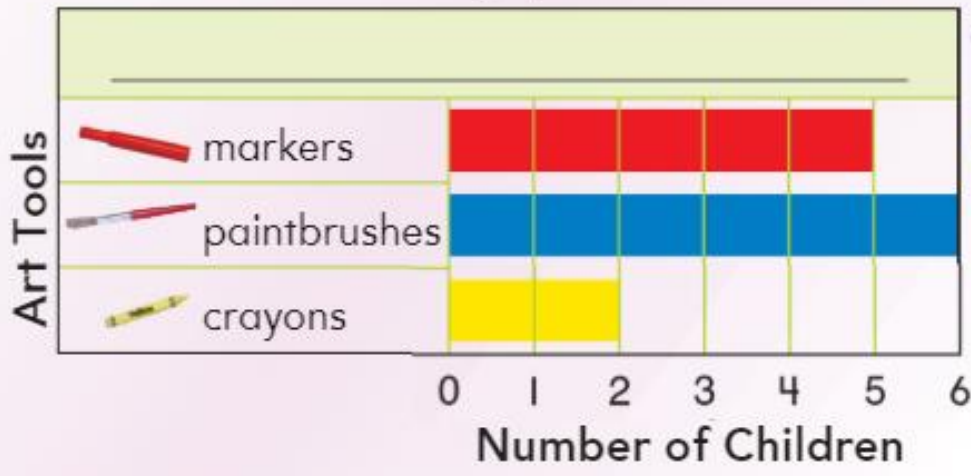
_____ tens

Model and Draw

In a **bar graph**, each bar shows information. You can compare the lengths of the bars.

What title describes this graph?











Touch the end of a bar. Look down to see the number of children.



Share and Show



Use the bar graph to answer the question.


- How many children chose  ?
_____ children
- How many children chose  ?
_____ children
- How many more children chose  than  ?
_____ more children
- Which art tool did the fewest children choose? Circle.
  
- Which art tool did the most children choose? Circle.
  

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Name _____

On Your Own

MATHEMATICAL PRACTICE Use **Graphs** Use the bar graph to answer the question.

6. How many children chose ?
_____ children

7. How many children chose ?
_____ children

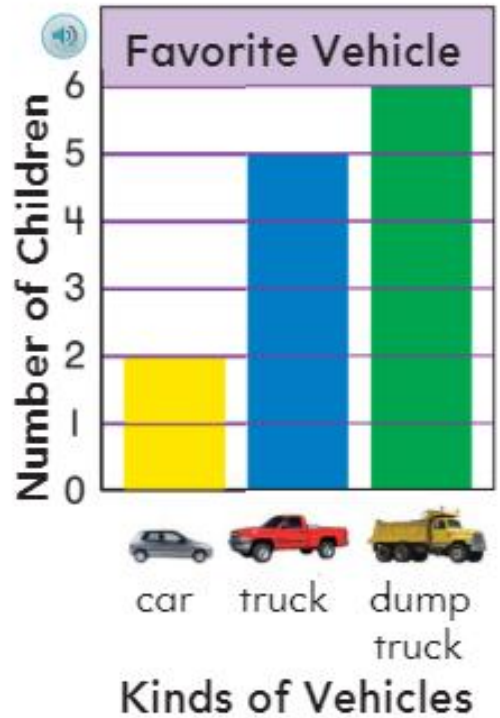
8. How many children in all chose  and ?
_____ children

9. How many more children chose  than ?
_____ more children

10. Which vehicle did the most children choose? Circle.   

11. **THINK SMARTER** Order the vehicles from least to most votes. Write 1 for the least votes and 3 for the most votes.

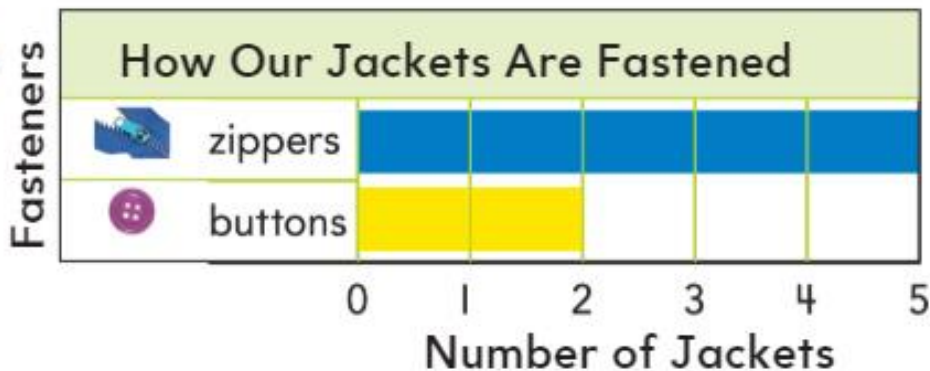
 _____  _____  _____





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Problem Solving • Applications  **WRITE** Math

Use the bar graph to answer the question.



12. Kim puts on a jacket with . Add her jacket to the graph. Now how many jackets have ? _____ jackets



13. **GO DEEPER** Ed adds a row to the graph to show jackets with snaps. 2 fewer jackets have snaps than have zippers. How many jackets have snaps? _____ jackets

14. **THINK SMARTER** Use the graph. How many more jackets have  than ? Circle the answer.

7

5

3

more jackets have  than .



TAKE HOME ACTIVITY • Have your child look through newspapers and magazines for examples of bar graphs. Talk about what information is shown in each graph you find.

Name _____

Read Bar Graphs

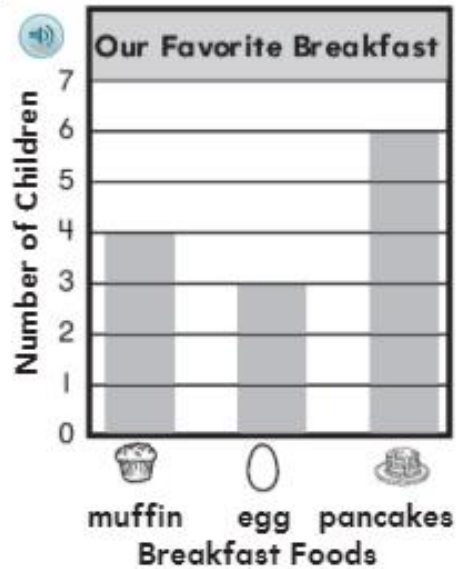


COMMON CORE STANDARD—1.MD.C.4
Represent and interpret data.

Use the bar graph to answer the question.

1. How many children chose ?
_____ children

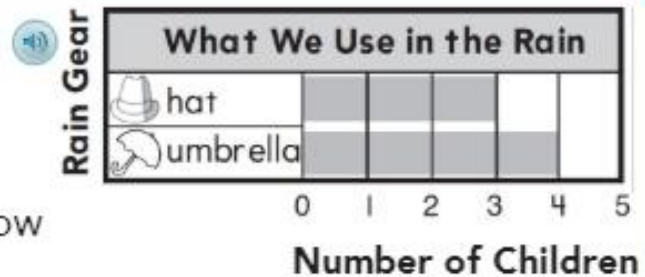
2. How many more children chose than ?
_____ more children



Problem Solving

Use the bar graph to answer the question.

3. Claudette uses an . Add her to the graph. Now how many more children use an than a ?
_____ more children



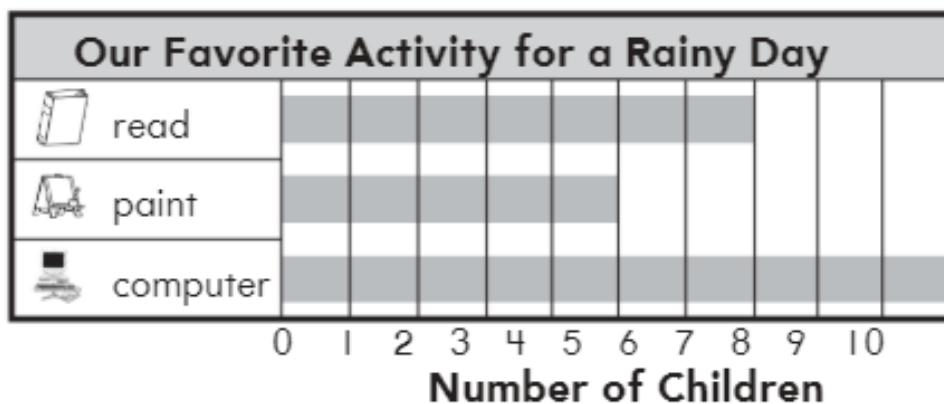
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4. **WRITE** **Math** Use numbers and pictures to compare two items in a bar graph.

Lesson Check (1.MD.C.4)

Use the bar graph to answer the question.

Kinds of Activities



1. How many more children chose than ?

_____ more children

Spiral Review (1.OA.B.4, 1.OA.D.8)

2. Write a subtraction sentence you can solve by using $9 + 7 = 16$.

_____ - _____ = _____

3. How many fewer are there?

Subtract to compare.

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

_____ fewer

