

Name _____

Read Bar Graphs

Essential Question How is a bar graph used to show data?



Measurement and Data—2.MD.D.10
Also 2.MD.B.6

MATHEMATICAL PRACTICES
MP1, MP2, MP6

Listen and Draw



Use the picture graph to solve the problem.
Draw or write to show what you did.

Red Trucks Seen Last Week								
Morgan	■	■	■					
Terrell	■	■	■	■	■	■		
Jazmin	■	■	■	■	■	■	■	■
Carlos	■	■	■	■				

Key: Each ■ stands for 1 red truck.

_____ red trucks

Math Talk

MATHEMATICAL PRACTICES |

Describe Relationships

Describe how the data in the graph for Terrell and for Jazmin are different.

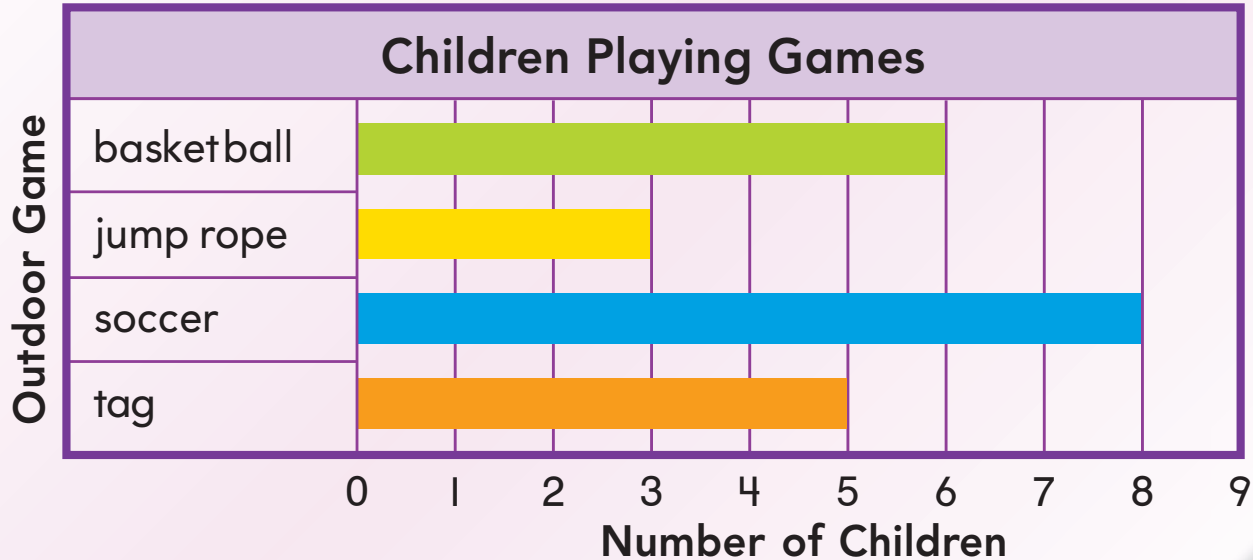


FOR THE TEACHER • Read this problem to children. Morgan made a picture graph to show the number of red trucks that she and her friends saw last week. How many red trucks did the four children see last week?

Model and Draw

A **bar graph** uses bars to show data. Look at where the bars end. This tells how many.

There are 8 children playing soccer.



Share and Show



Use the bar graph.

1. How many green marbles are in the bag?

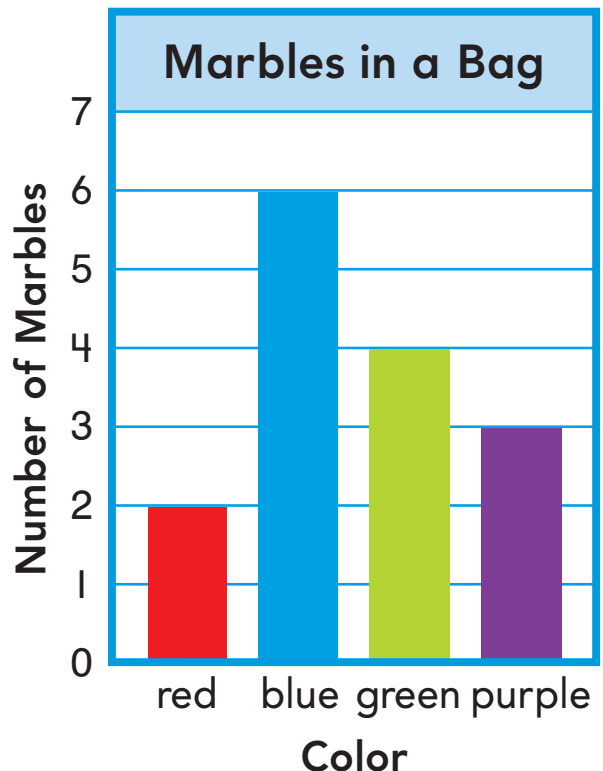
_____ green marbles

2. How many more blue marbles than purple marbles are in the bag?

_____ more blue marbles

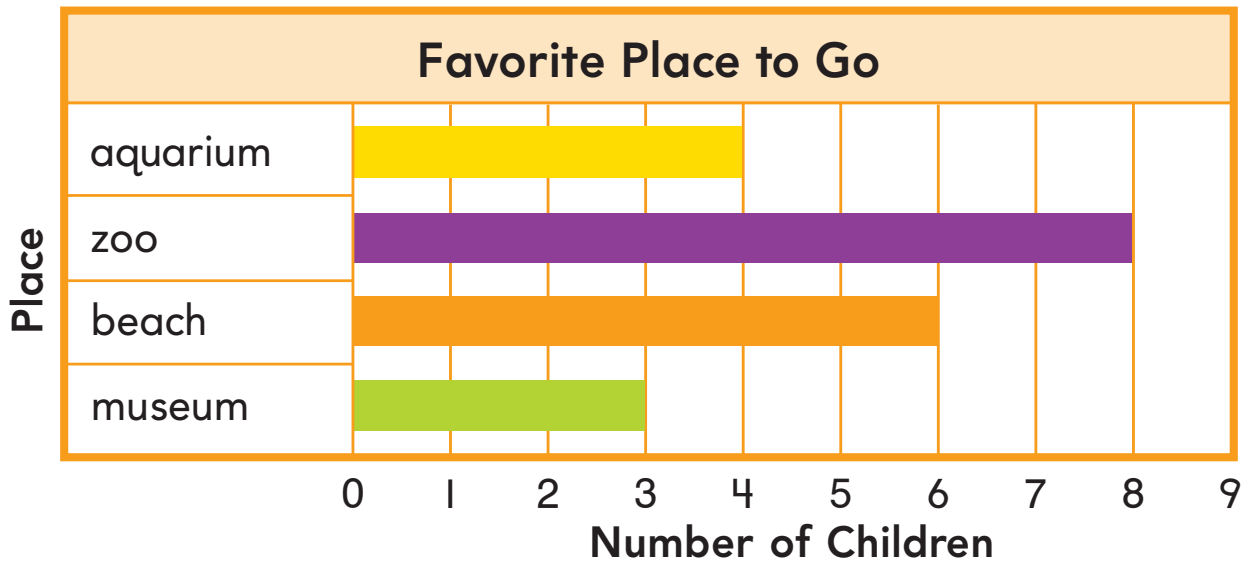
3. How many marbles are in the bag?

_____ marbles



On Your Own

Use the bar graph.



4. How many children chose the beach?

_____ children

5. Which place did the fewest children choose?

6. How many more children chose the zoo than the aquarium?

_____ more children

7. **Go DEEPER** How many children chose a place that was not the zoo?

_____ children

8. **THINK SMARTER** Greg chose a place that has more votes than the aquarium and the museum together. Which place did Greg choose?



Problem Solving • Applications



WRITE

Math

Use the bar graph.

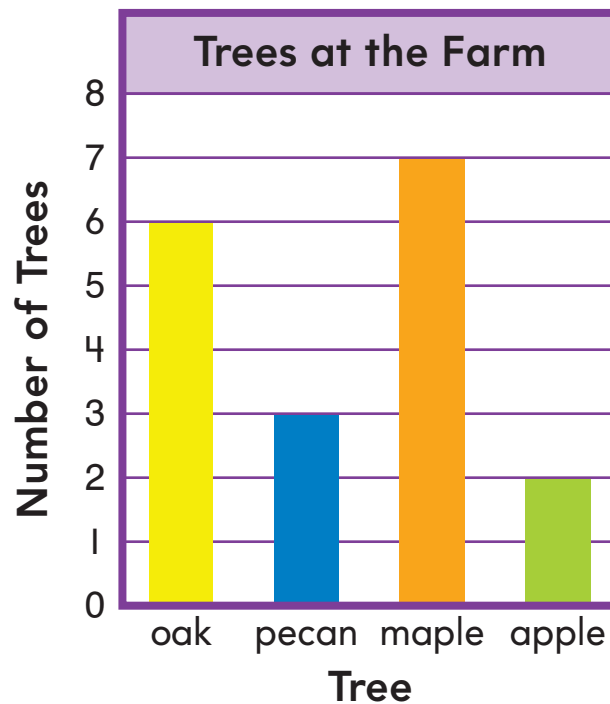
9. How many trees are at the farm?

_____ trees

10. How many trees are not apple trees?

_____ trees

11. **MATHEMATICAL PRACTICE 6 Explain** Suppose 7 more trees are brought to the farm. How many trees would be at the farm then? Explain.



12. **THINK SMARTER** Use the data in the bar graph about trees to finish the sentences.

There are _____ fewer apple trees than oak trees. Explain.



TAKE HOME ACTIVITY • Ask your child to explain how to read a bar graph.

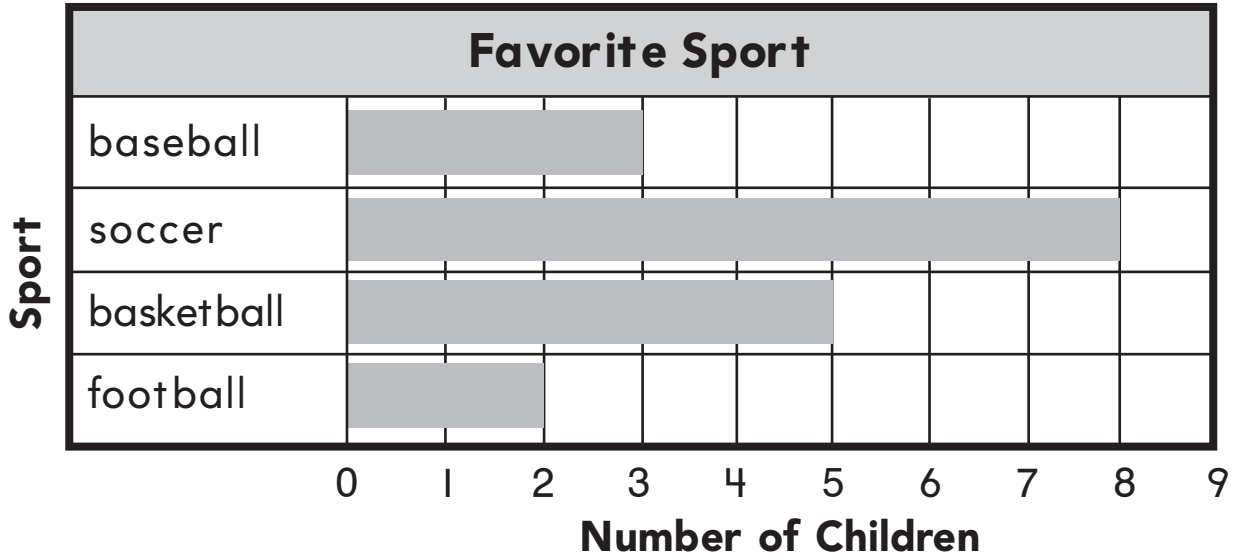
Name _____

Read Bar Graphs

Use the bar graph.



COMMON CORE STANDARD—2.MD.D.10
Represent and interpret data.



- How many children chose basketball? _____ children

- Which sport did the most children choose? _____

- How many more children chose basketball than baseball? _____ more children

- Which sport did the fewest children choose? _____

Problem Solving



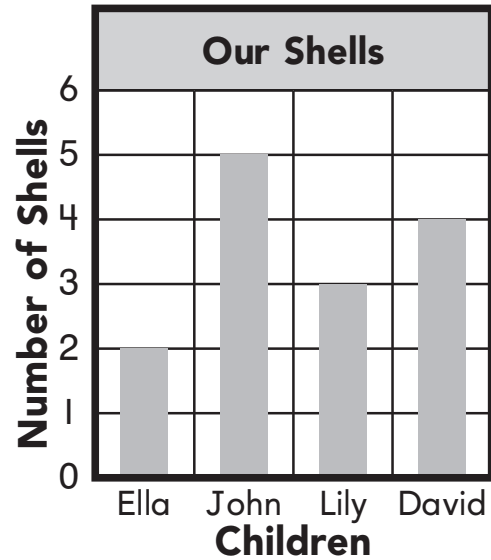
- How many children chose baseball or basketball? _____ children

- Look at the bar graph above. Write about the information shown in the graph.

Lesson Check (2.MD.D.10)

1. Use the bar graph. How many shells do the children have in all?

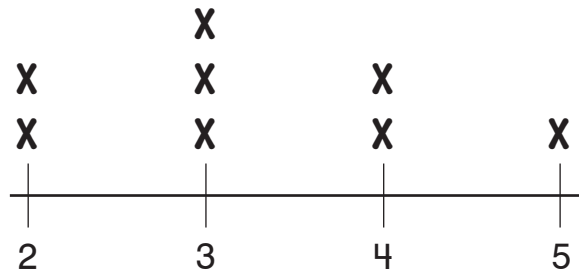
_____ shells



Spiral Review (2.MD.A.1, 2.MD.C.8, 2.MD.D.9)

2. Use the line plot. How many twigs are 3 inches long?

_____ twigs



Lengths of Twigs in Inches

3. Use a centimeter ruler. What is the length of the yarn to the nearest centimeter?



_____ centimeters

4. Noah buys a pencil. He uses 1 quarter and 2 nickels to pay. How much money does the pencil cost?

\$ _____ or _____ cents