

Name _____

Make Picture Graphs

Essential Question How do you make a picture graph to show data in a tally chart?



Measurement and Data—
2.MD.D.10

MATHEMATICAL PRACTICES
MP1, MP4, MP6

Listen and Draw



Take turns choosing a cube from the bag.
Draw a smiley face in the graph for each cube.

Cube Colors					
blue					
red					
green					
orange					

Key: Each 😊 stands for 1 cube.

Math Talk

MATHEMATICAL PRACTICES 6

Explain how you know that the number of smiley faces for blue matches the number of blue cubes.

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HOME CONNECTION • Your child made a graph by recording smiley faces for the colors of cubes taken from a bag. This activity prepares children for working with picture graphs in this lesson.

Model and Draw

Each picture in the graph stands for 1 flower.
Draw pictures to show the data in the tally chart.


Number of Flowers Picked	
Name	Tally
Jessie	
Inez	
Paulo	

Number of Flowers Picked					
Jessie					
Inez					
Paulo					

Key: Each  stands for 1 flower.

Share and Show




- Use the tally chart to complete the picture graph.
Draw a  for each child.

Favorite Sandwich	
Sandwich	Tally
cheese	
ham	
tuna	
turkey	

Favorite Sandwich					
cheese					
ham					
tuna					
turkey					

Key: Each  stands for 1 child.

 2. How many children chose tuna? _____ children

 3. How many more children chose cheese than ham? _____ more children

Name _____

On Your Own

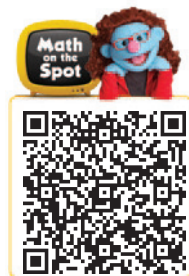
4. Use the tally chart to complete the picture graph.
Draw a 😊 for each child.

Favorite Fruit	
Fruit	Tally
apple	
plum	
banana	
orange	

Favorite Fruit					
apple					
plum					
banana					
orange					

Key: Each 😊 stands for 1 child.

5. How many children chose banana? _____ children
6. How many fewer children chose plum than banana? _____ fewer children
7. **THINK SMARTER** How many children chose a fruit that was not a plum? _____ children



8. **GO DEEPER** Which three fruits were chosen by a total of 10 children?



TAKE HOME ACTIVITY • Ask your child to explain how to read the picture graph on this page.

Name _____

Make Picture Graphs



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

1. Use the tally chart to complete the picture graph.
Draw a 😊 for each child.

Favorite Cookie	
Cookie	Tally
chocolate	
oatmeal	
peanut butter	
shortbread	

Favorite Cookie					
chocolate					
oatmeal					
peanut butter					
shortbread					

Key: Each 😊 stands for 1 child.

2. How many children chose chocolate? _____ children

3. How many fewer children chose oatmeal than peanut butter? _____ fewer children

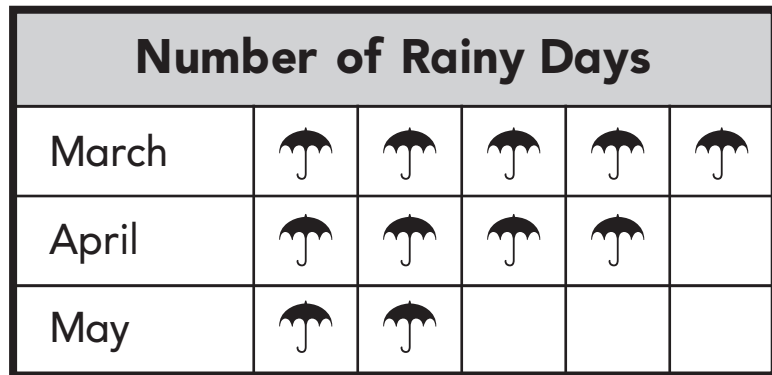
4. Which cookie did the most children choose?

5. How many children in all chose a favorite cookie? _____ children

6. Look at the picture graph above. Write about the information shown in this graph.

Lesson Check (2.MD.D.10)

1. Use the picture graph.
How many more rainy days were there in April than in May?



_____ days

Key: Each  stands for 1 day.

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

2. Rita has one \$1 bill, 2 quarters, and 3 dimes. What is the total value of Rita's money?
3. Lucas put 4 quarters and 3 nickels into his coin bank. How much money did Lucas put into his coin bank?

\$ _____

\$ _____

4. Use a centimeter ruler. What is the length of this string to the nearest centimeter?
5. What is the total value of this group of coins?



_____ centimeters



\$ _____ or _____ cents