

Name _____

Collect Data

Essential Question How do you use a tally chart to record data from a survey?



Measurement and Data—
2.MD.D.10

MATHEMATICAL PRACTICES
MP3, MP4, MP6

Listen and Draw



Take turns choosing a cube from the bag.
Draw a tally mark in the chart for each cube.

| Cube Colors | |
|-------------|-------|
| Color | Tally |
| blue | |
| red | |
| green | |



MATHEMATICAL PRACTICES 4

Use Diagrams Explain how tally marks help you keep track of what has been taken.

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HOME CONNECTION • Your child made tally marks to record the color of cubes taken from a bag. This activity prepares children for using and recording data in this chapter.

Model and Draw

You can take a **survey** to collect **data**.
You can record the data with tally marks.

Greg asked his classmates which lunch was their favorite.

| Favorite Lunch | |
|----------------|-------|
| Lunch | Tally |
| pizza | |
| sandwich | I |
| salad | |
| pasta | |

The tally marks in the tally chart show the children's answers. Each tally mark stands for one child's choice.

Share and Show



1. Take a survey. Ask 10 classmates which pet is their favorite. Use tally marks to show their choices.

2. How many classmates chose dog?
_____ classmates

3. Which pet did the fewest classmates choose?

4. Did more classmates choose cat or dog? _____

How many more? _____ more classmates

| Favorite Pet | |
|--------------|-------|
| Pet | Tally |
| cat | |
| dog | |
| fish | |
| bird | |

Name _____

On Your Own

5. Take a survey. Ask 10 classmates which indoor game is their favorite. Use tally marks to show their choices.

6. How many classmates chose board game?

_____ classmates

| Favorite Indoor Game | |
|----------------------|-------|
| Game | Tally |
| board | |
| card | |
| computer | |
| puzzle | |

7. Which game did the most classmates choose?

8. **Go DEEPER** Did more classmates choose a card game or a computer game?

How many more? _____ more classmates

9. Which game did the fewest classmates choose?

10. **MATHEMATICAL PRACTICE 3 Apply** How many classmates did not choose a board game or a puzzle? **Explain** how you know.

Problem Solving • Applications

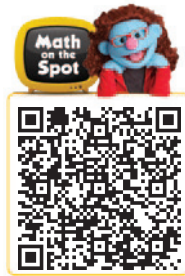


11. **THINK SMARTER** Maeko asked her classmates to choose their favorite subject. She made this tally chart.

How many more classmates chose math than reading?

_____ more classmates

Write a question about the data in the chart. Then write the answer to your question.



| Favorite Subject | |
|------------------|-------|
| Subject | Tally |
| reading | I |
| math | |
| science | |

12. **THINK SMARTER** Fill in the bubble next to all the sentences that describe data in the tally chart.

- 10 children voted for lunch.
- 13 children voted for breakfast.
- More children voted for dinner than for lunch.
- A total of 35 children voted for their favorite meal.

| Favorite Meal | |
|---------------|-------|
| Meal | Tally |
| breakfast | |
| lunch | |
| dinner | |



TAKE HOME ACTIVITY • With your child, take a survey about favorite games and make a tally chart to show the data.

Name _____

Collect Data



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

1. Take a survey. Ask 10 classmates how they got to school. Use tally marks to show their choices.

| How We Got to School | |
|----------------------|-------|
| Way | Tally |
| walk | |
| bus | |
| car | |
| bike | |

2. How many classmates rode in a bus to school?
_____ classmates

3. How many classmates rode in a car to school?
_____ classmates

4. In which way did the fewest classmates get to school?

5. In which way did the most classmates get to school?

6. **Math** Explain how you would take a survey to find your classmates' favorite shirt color.

Lesson Check (2.MD.D.10)

1. Use the tally chart. Which color did the fewest children choose?

| Favorite Color | |
|----------------|-------|
| Color | Tally |
| blue | |
| green | |
| red | |
| yellow | |

Spiral Review (2.NBT.B.5, 2.MD.B.6, 2.MD.C.7, 2.MD.C.8)

2. List a group of coins that have a value of \$1.00.

3. Jared has two ropes. Each rope is 9 inches long. How many inches of rope does he have in all?

_____ inches

4. The clock shows the time Lee got to school. At what time did she get to school?



_____ : _____

5. Liza finished studying at half past 3. What time did Liza finish studying?

_____ : _____