Lesson 11: Questions About Data

- Let's answer questions using picture graphs and bar graphs.

Warm-up: Number Talk: Make a Ten with 3 Addends

Find the value of each sum mentally.

- $3 + 7$

- $3 + 7 + 2$

- $5 + 7$

- $2 + 4 + 8$

11.1: Write Questions Based on Graphs

Write 4 questions you could ask about the data in your graphs. Make sure you have 2 for each graph.

1. _____

_____

2. _____

_____

3. _____

_____

4. _____

_____

Bonus question:

_____

_____

11.2: Answer Questions Using Graphs

Answer your partner's questions from Activity 1 using the graphs.
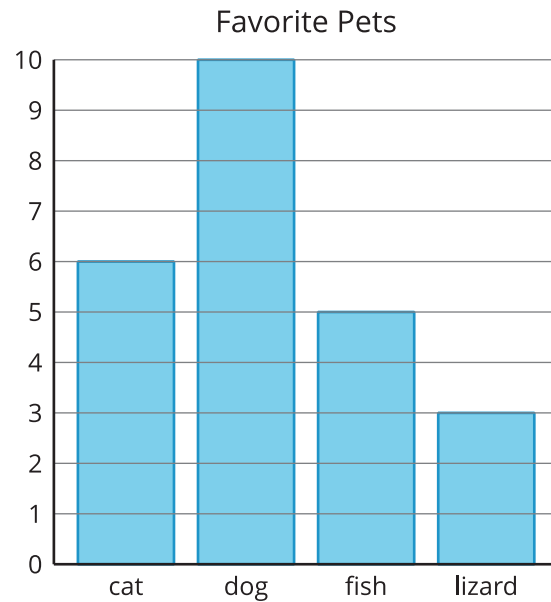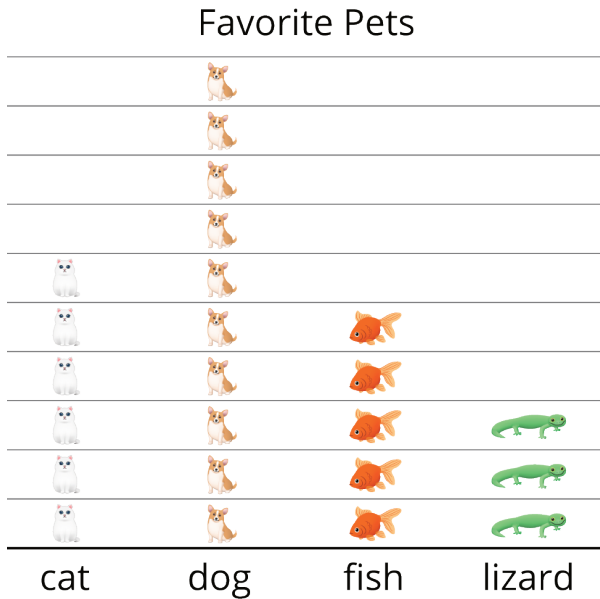
1. _____

   _____

2. _____

   _____

3. _____

   _____

4. _____

   _____

5. How did you know where to find the answer to each question?

   _____

   _____

Section Summary

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In this section we represented **data** in picture graphs and bar graphs and used them to answer questions.

Favorite Pets

A **picture graph** is an organized way to share data using pictures of the objects.

A **bar graph** is an organized way to share data using the height or length of rectangles to show how many in each category or group.

We can use these graphs to answer the questions below.

1. How many students chose a dog?

2. How many more students chose cats than chose lizards?

3. How many students voted for their favorite pet?