



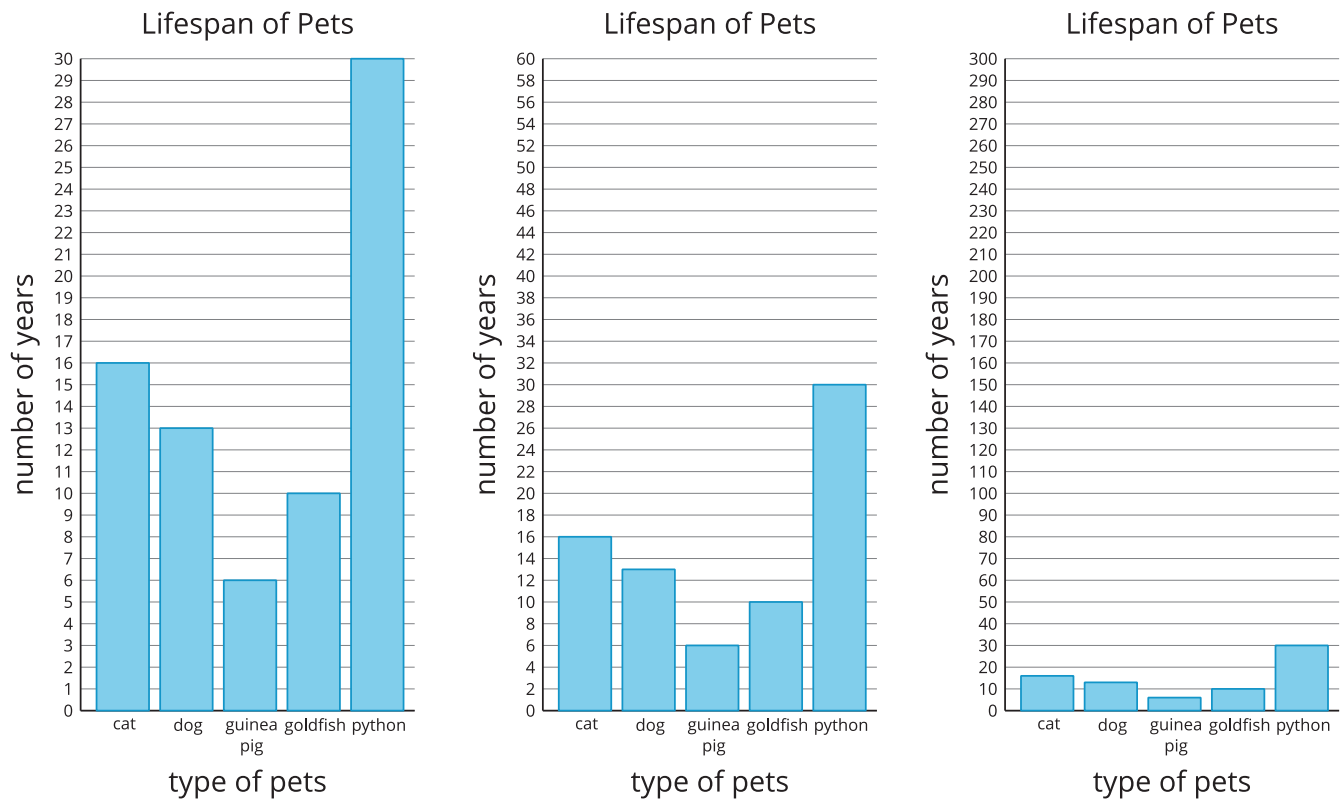
# Choose a Scale

Let's choose a scale for our bar graph.

## Warm-up

## Notice and Wonder: Bar Graph Scales

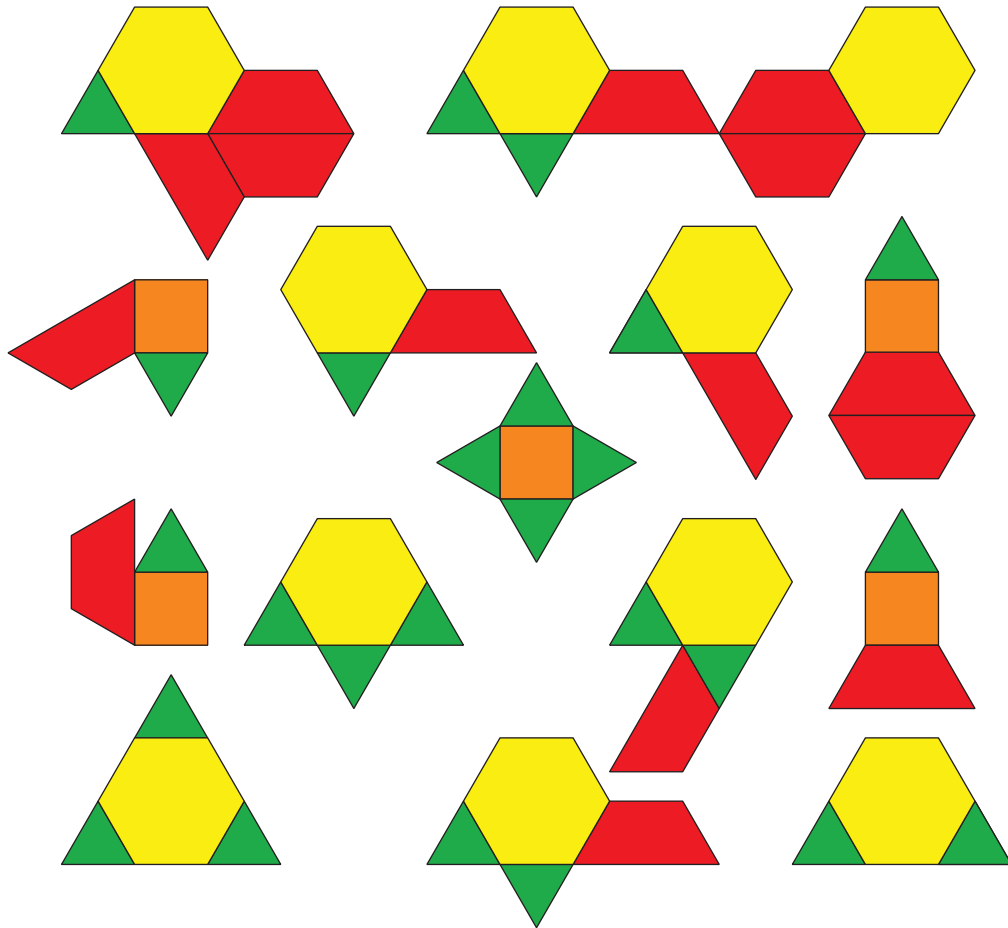
What do you notice? What do you wonder?



## Activity 1

### Represent Pattern Blocks

Here is a collection of pattern blocks.



Mai, Noah, and Priya want to make a bar graph to represent the number of triangles, squares, trapezoids, and hexagons in the collection.

- Mai says the scale of the bar graph should be 2.
- Noah says the scale of the bar graph should be 5.
- Priya says the scale of the bar graph should be 10.

1. Who do you agree with? Explain your reasoning.

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2. Use the scale that you chose to create a scaled bar graph to represent the collection.

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## Activity 2

### Represent More Data in a Scaled Bar Graph

All the third-grade students at a school were asked, “What is your favorite season?” Their responses are shown in this table.

| favorite season of the year | winter | spring | summer | fall |
|-----------------------------|--------|--------|--------|------|
| number of students          | 24     | 13     | 40     | 22   |

Use the data from the table to create a scaled bar graph.

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