Unit 1, Lesson 6

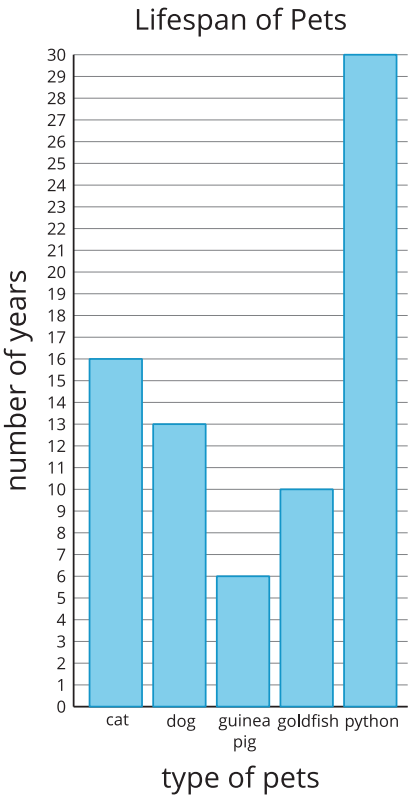
Choose a Scale

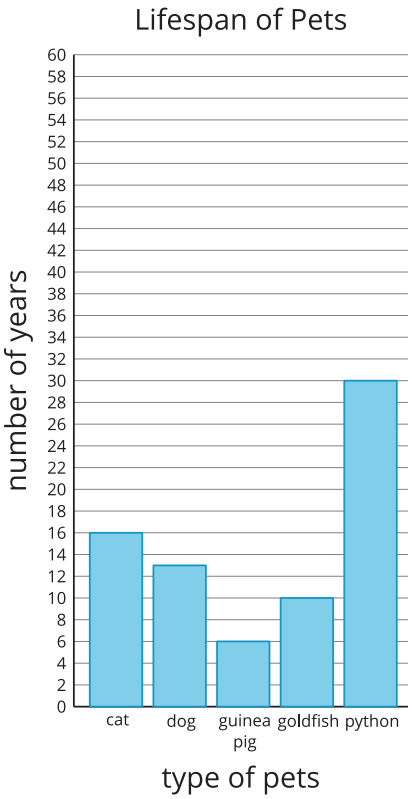
Let's choose a scale for our bar graph.

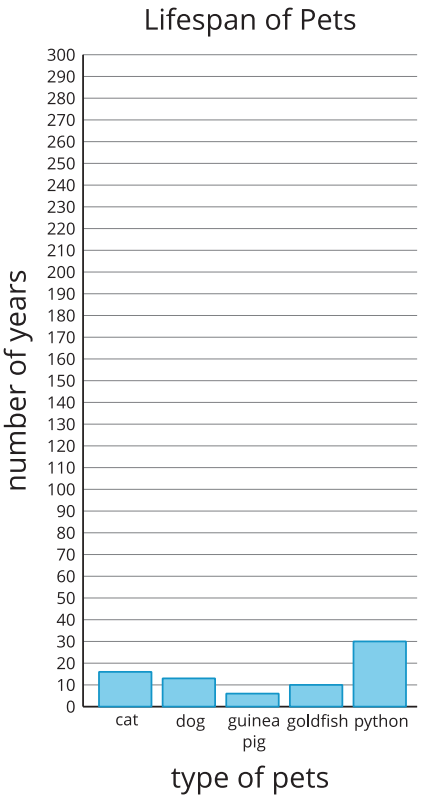
Warm-up

Notice and Wonder: Bar Graph Scales

What do you notice? What do you wonder?



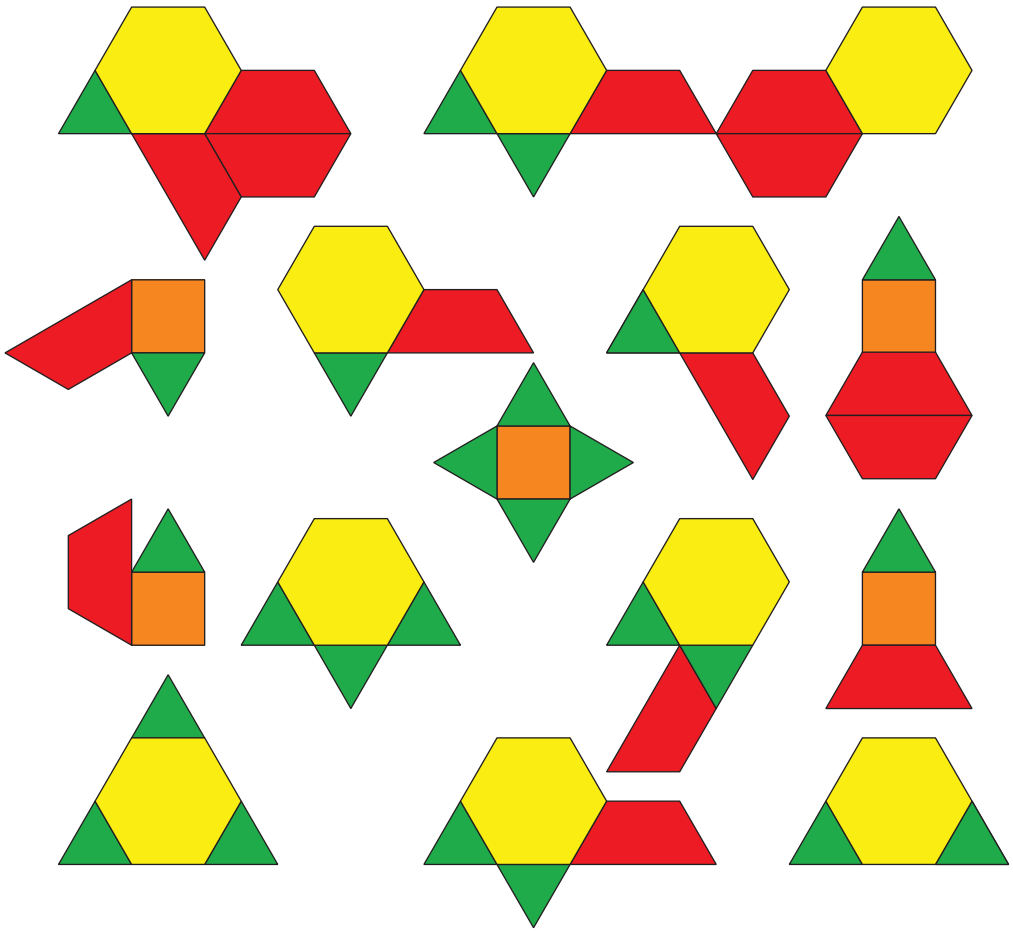




Activity 1

Represent Pattern Blocks

Here is a collection of pattern blocks.

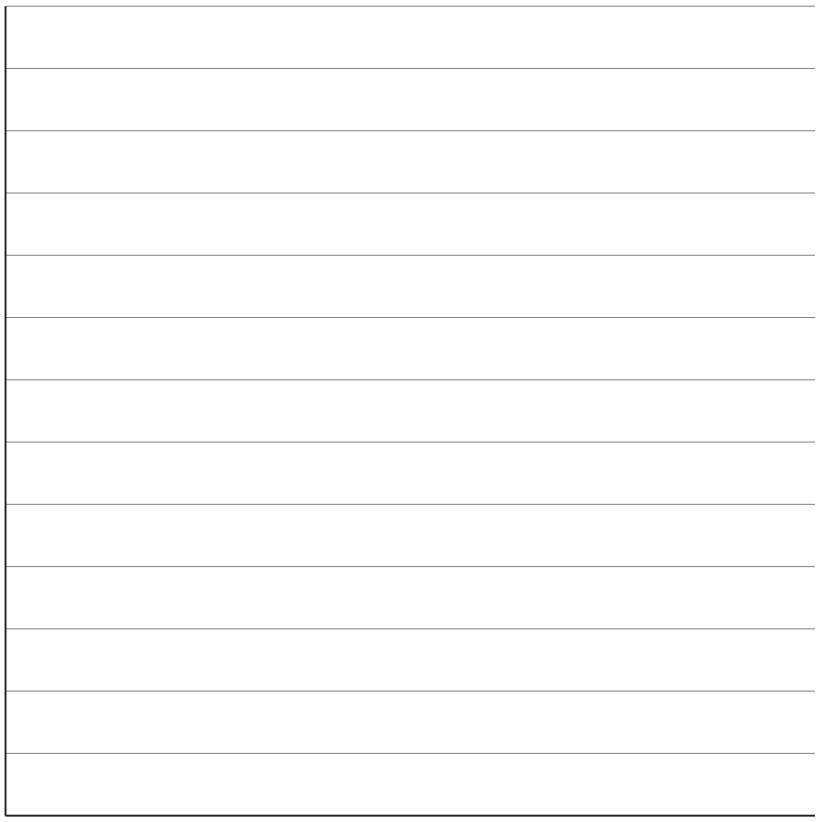


Mai, Noah, and Priya want to make a bar graph to represent the number of triangles, squares, trapezoids, and hexagons in the collection.

- 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.

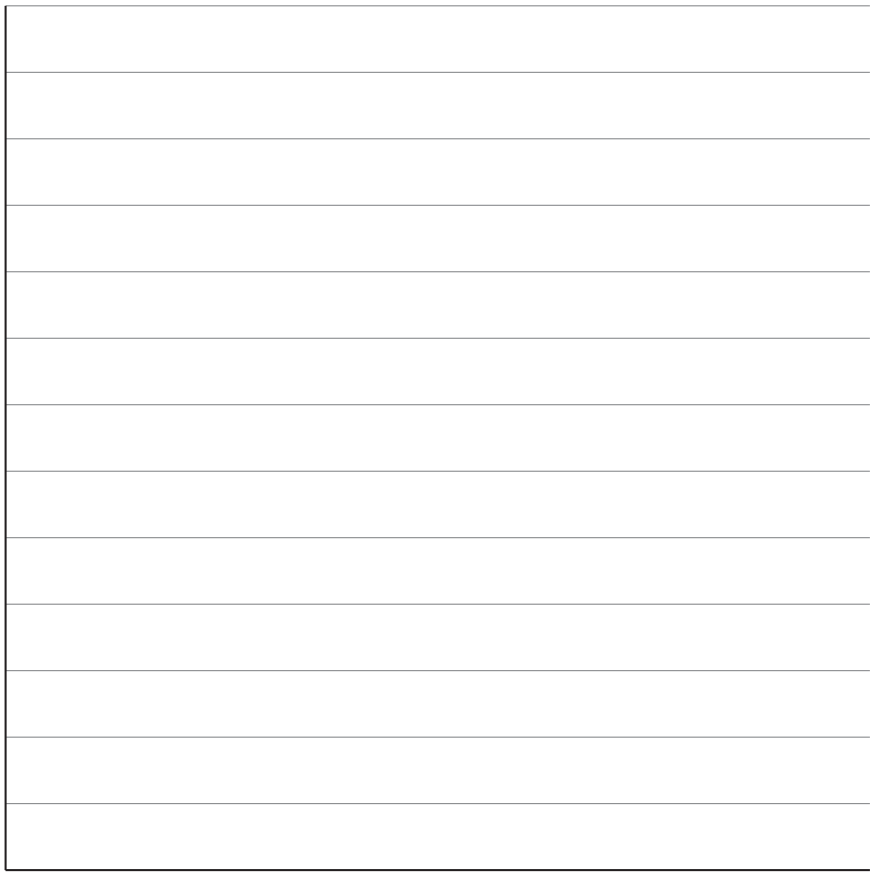
2. Use the scale that you chose to create a scaled bar graph to represent the collection.



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.