Unit 6 Lesson 1: Organizing Data

1 Notice and Wonder: Messy Data (Warm up)

Student Task Statement
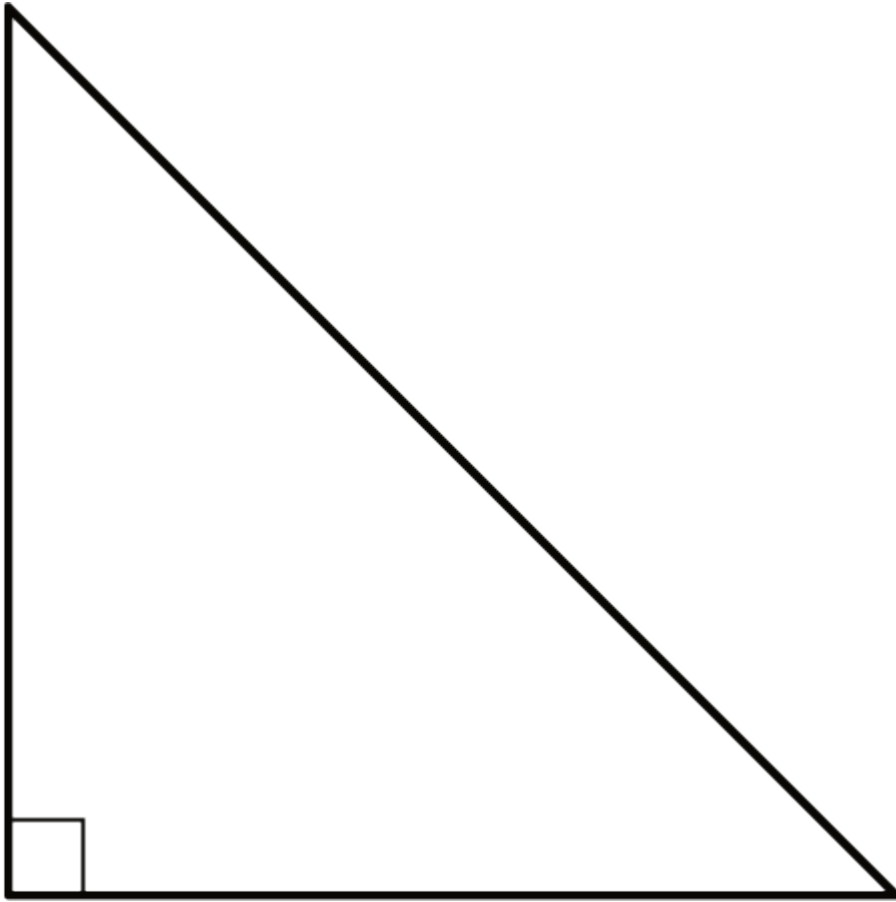
Here is a table of data. Each row shows two measurements of a triangle.

length of short side (cm)	length of perimeter (cm)
0.25	1
2	7.5
6.5	22
3	9.5
0.5	2
1.25	3.5
3.5	12.5
1.5	5
4	14
1	2.5

What do you notice? What do you wonder?

2 Seeing the Data

**Images for Launch**

Student Task Statement

Here is the table of isosceles right triangle measurements from the warm-up and an empty table.

length of short sides (cm)	length of perimeter (cm)	length of short sides (cm)	length of perimeter (cm)
0.25	1		
2	7.5		
6.5	22		
3	9.5		
0.5	2		
1.25	3.5		
3.5	12.5		
1.5	5		
4	14		
1	2.5		

1. How can you organize the measurements from the first table so that any patterns are easier to see? Write the organized measurements in the empty table.

2. For each of the following lengths, estimate the perimeter of an isosceles right triangle whose short sides have that length. Explain your reasoning for each triangle.

   a. length of short sides is 0.75 cm

   b. length of short sides is 5 cm

   c. length of short sides is 10 cm
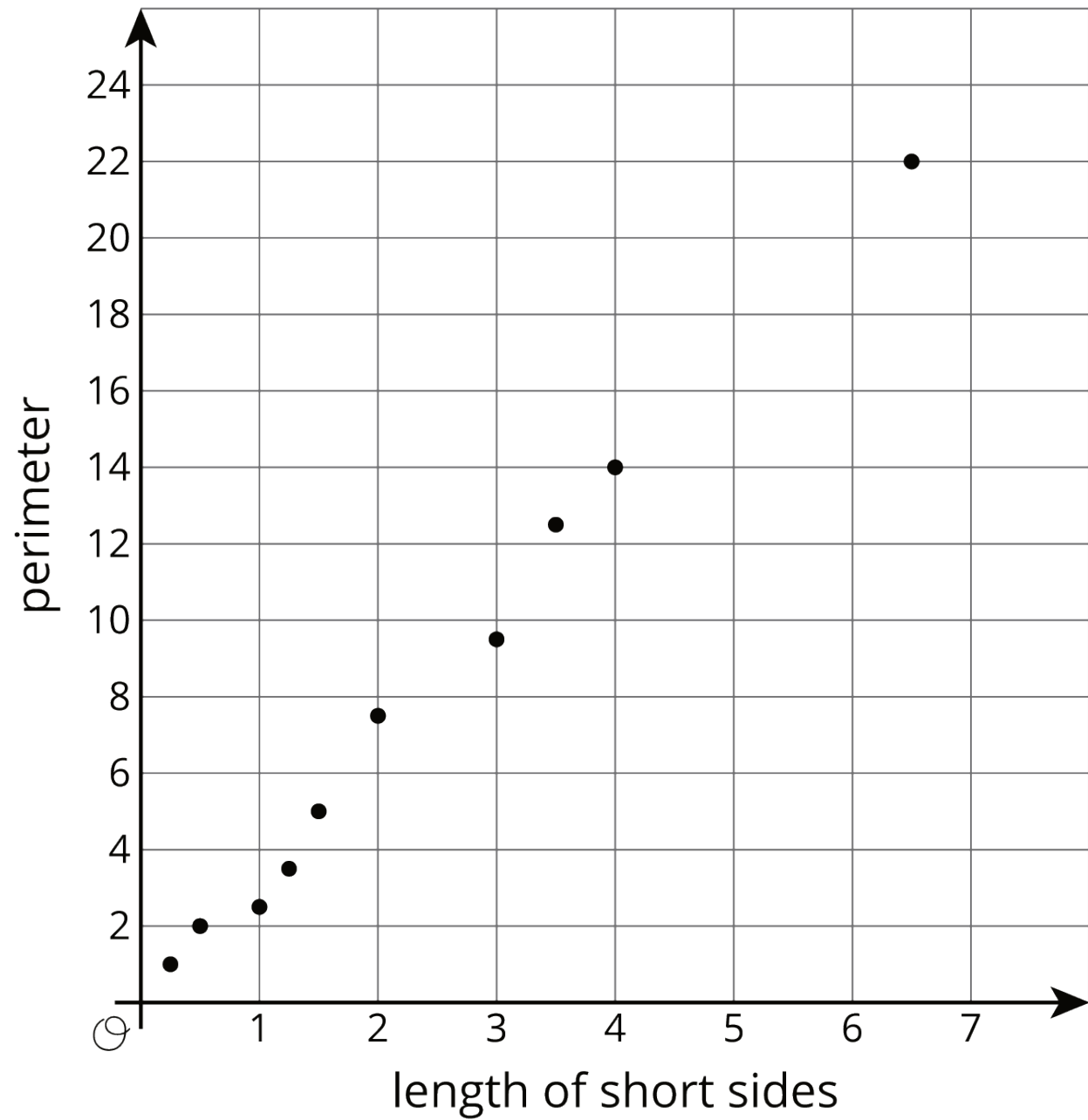
3 Tables and Their Scatter Plots

Student Task Statement

Here are four **scatter plots**. Your teacher will give you four tables of data.

- Match each table with one of the scatter plots.
- Use information from the tables to label the axes for each scatter plot.