Problem-Solving Practice

Focus on Mathematical Processes: Draw a Diagram

For Exercises 1–4, use the table to solve. Use the *draw a diagram* strategy.
The table lists the approximate lengths of trails in a nature preserve.

Length of Trails (in miles)	
Overlook Trail	10
Hickory Creek Canoe Trail	8
Riverbend Trail	42
Oakridge Trail	46

1. The Hickory Creek Canoe Trail is $\frac{2}{5}$ the length of the distance Mishon paddled. How far did Mishon paddle?

2. Ian canoed the Overlook Trail. The distance he traveled is $\frac{5}{7}$ the distance Calvin canoed. How far did Calvin canoe?

3. Mahal biked $\frac{2}{3}$ the distance of the Riverbend Trail before getting a flat. How far did she bike before getting a flat?

4. Dean said that the length of the Oakridge Trail is $\frac{1}{4}$ the distance from his house to his grandfather's house. What is the distance from Dean's house to his grandfather's house?

5. A container of quarters is $\frac{3}{7}$ empty. It currently contains 40 quarters. When the container is full, what will be the value of all the quarters?

6. Jing is making figurines for a craft show. So far, she has made $\frac{4}{5}$ of the figurines she needs. How many figurines has she made if she needs 15 figurines?