

Name: _____

1. Henry bought 4 pies, which he plans to share with a group of his friends. If there is exactly enough to give each member of the group one-sixth of the pie, how many people are in the group?

A. Write a number sentence to represent the situation. Explain your reasoning by solving the problem using a strategy from your toolbox.

B. Use a model (a tape diagram, numberline) to represent the quotients.

2. Rachel finished $\frac{3}{4}$ of the race in 6 hours. How long was the entire race? Support your answer with a model.

3. Meyer used 6 loads of gravel to cover $\frac{2}{3}$ of his driveway. How many loads of gravel will he need to cover his entire driveway?

4. Mrs. Carley wants to determine how much her family spends each month on groceries. She estimated that they spend \$120 each month on groceries. One week they spent \$78.33 and another week they spent \$41.375. Exactly, how many dollars will Mrs. Carley's family need to spend in order to tie their estimated amount that they spend on groceries? Show your process.

5. The High School Principal, Mr. Houberg, wants to buy a new cover for the sand pit used in the long-jump competition. He measured the sand pit and found that the length is 29.2 feet and the width is 9.8 feet. What will the area of the new cover be?

6. Mrs. Rabideau earns \$2,500 each month. She also earns an extra \$3.75 every time she sells an activity pass to an IW parent. Last month, Mrs. Rabideau sold 32 IW activity passes. How much money did Mrs. Rabideau earn last month?

