

Dividing a Whole Number by a Fraction

Name _____

Vocabulary

perfect square:

In this activity, you will use a unit square and the relationship between multiplication and division to divide a fraction by a whole number.

1. What is the solution to 3 divided by $\frac{3}{4}$?

Complete the diagram to show the division.



2. Explain why the answer to 4 divided by $\frac{3}{5}$ is $6\frac{2}{5}$.


3. How many $\frac{2}{3}$ -cup servings of cereal are in 3 cups? Complete the diagram to show your reasoning.





Dividing a Whole Number by a Fraction

Name _____

4.  Hiro said that the answer to 8 divided by $\frac{2}{3}$ is a whole number. Is

Hiro correct? Explain your answer.
