Dividing a Whole Number by a Fraction

Name _____

Vocabulary

perfect square:

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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.

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

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

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

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