Multiplying Fractions

Name _____

Key Concept and Vocabulary

Multiply numerators and denominators.

Cancel common factors.

$\frac{1}{3} \times \frac{3}{4} = \frac{1 \times 3}{3 \times 4} = \frac{1}{4}$

$\frac{1}{3}$ of

$\frac{1}{3}$ of $\frac{3}{4}$ means $\frac{1}{3}$ times $\frac{3}{4}$.
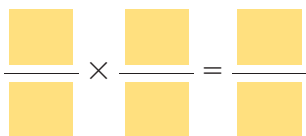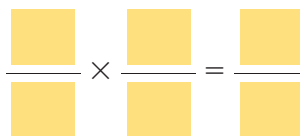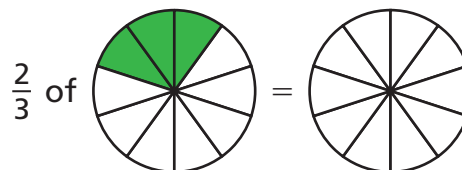
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PRACTICE MAKES *PURR*-FECT™

Check your answers at BigIdeasMath.com.

Shade the product. Write the problem in ⬜.

1.

$\frac{1}{2}$ of ⬜ = ⬜

$\dfrac{}{} \times \dfrac{}{} = \dfrac{}{}$

2.

$\frac{2}{3}$ of ⬜ = ⬜

$\dfrac{}{} \times \dfrac{}{} = \dfrac{}{}$

3.

$\frac{3}{5}$ of ⬜ = ⬜

$\dfrac{}{} \times \dfrac{}{} = \dfrac{}{}$

4.

$\frac{1}{3}$ of ⬜ = ⬜

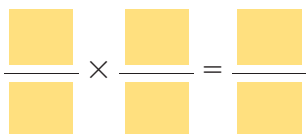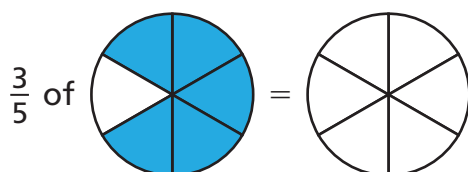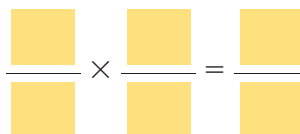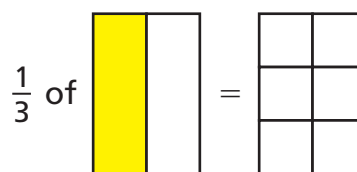$\dfrac{}{} \times \dfrac{}{} = \dfrac{}{}$

5. RECIPE A recipe for muffins needs three-fourths of a cup of milk. You are making half of the recipe. How much milk should you use?

⬜ cup

1 cup —

½ —

Topic 6.4