

Grade 4 Module 5 Topic B Quiz

Draw area models to prove that the following number sentences are true.

$$\frac{2}{5} = \frac{4}{10}$$

$$\frac{4}{6} = \frac{8}{12}$$

Use the area model and multiplication to create an equivalent fraction for the fraction below.

$$\frac{3}{4} = \frac{\times}{\times} = \underline{\hspace{2cm}}$$



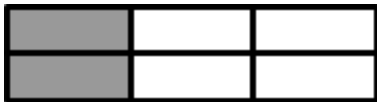
Find an equivalent fraction for each item below using multiplication. (Complete the number sentence.)

$$\frac{1}{4} = \frac{\times}{\times} = \underline{\hspace{2cm}}$$

$$\frac{3}{5} = \frac{\times}{\times} = \underline{\hspace{2cm}}$$

$$\frac{2}{3} = \frac{\times}{\times} = \underline{\hspace{2cm}}$$

Explain how this area models demonstrates $\frac{2}{6}$ is equivalent to $\frac{1}{3}$.



Draw an area model to represent each number sentence below.

$$\frac{4}{10} = \frac{4 \div 2}{10 \div 2} = \frac{2}{5}$$

$$\frac{6}{9} = \frac{6 \div 3}{9 \div 3} = \frac{2}{3}$$

Find an equivalent fraction for each item below using division. (Complete the number sentence.)

$$\frac{4}{8} = \frac{\div}{\div} = \underline{\hspace{2cm}}$$

$$\frac{9}{12} = \frac{\div}{\div} = \underline{\hspace{2cm}}$$

Use division to rename each fraction given below. Draw a model if that helps you.

$$\frac{12}{16}$$

$$\frac{12}{20}$$

$$\frac{4}{10}$$