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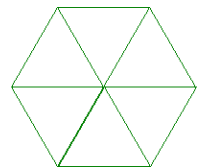
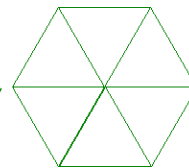
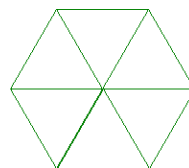
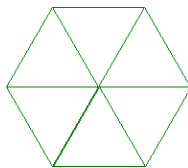
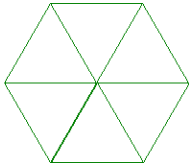
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Learning Goal 2.2

I can multiply and divide fractions.

Example Use **pattern blocks** to model the following quotients.

$$\frac{1}{2} \div 3$$



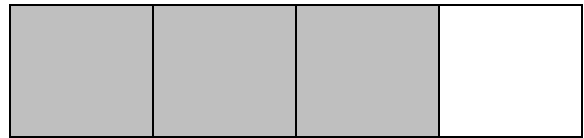
$$\frac{4}{3} \div 2$$

Example Use **fraction strips** to model the following quotients.

$$\frac{1}{2} \div 3$$



$$\frac{3}{4} \div 2$$

**Example** Use **the number line** to model the following quotients.

$$\frac{2}{3} \div 4$$



$$\frac{1}{5} \div 2$$



Dividing Fractions and a Whole Number Without using a Model

Example Evaluate the following quotients. Write your answers in lowest terms.

a. $\frac{1}{5} \div 3$

b. $\frac{4}{5} \div 2$

c. $\frac{1}{6} \div 3$

d. $\frac{9}{10} \div 5$

Example Ben used $\frac{3}{4}$ of a jar of pasta sauce on six servings of pasta. He used the same amount of sauce on each serving. What fraction of the jar of pasta sauce did he use on each serving?

Example Four students equally shared $\frac{1}{2}$ of a cake. What fraction of the cake did each student eat?