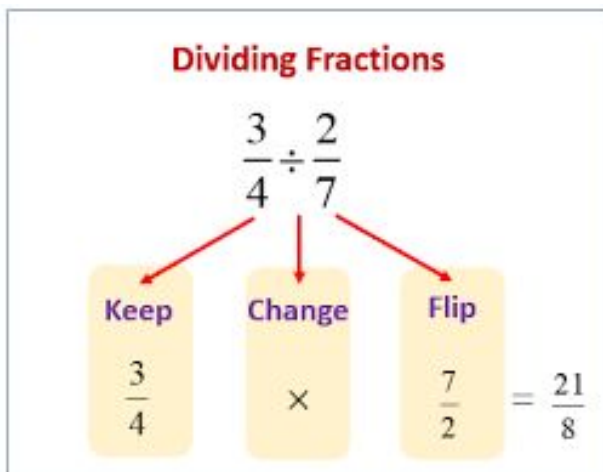


Math 6 Remote Learning Lesson 5 - Dividing Fractions



Division with Mixed Numbers

$$4\frac{3}{8} \div 1\frac{3}{4}$$

Convert each mixed number into an improper fraction.

$$\frac{35}{8} \div \frac{7}{4}$$

Use the multiplicative inverse strategy to solve.

$$\frac{35}{8} \times \frac{4}{7} = \frac{5}{2} = 2\frac{1}{2}$$

Divide the fractions by multiplying by the reciprocal of the divisor.

$$\frac{5}{8} \div \frac{3}{16}$$

$$\frac{3}{5} \div \frac{21}{25}$$

$$3\frac{5}{8} \div \frac{3}{4}$$

$$\frac{2}{3} \div \frac{5}{6}$$

$$\frac{7}{9} \div \frac{2}{3}$$

$$1\frac{2}{3} \div \frac{5}{6}$$

Maria needs to measure out $\frac{2}{5}$ liter of broth for a recipe. If she only has a container that holds $\frac{1}{10}$ liter, how many containers will she need to fill?

- Write a model to represent the situation.
- Identify the reciprocal of the divisor.
- Rewrite the division problem as a multiplication problem using the reciprocal. Solve and simplify.
- State your answer.