2.2 Dividing Fractions

## **ESSENTIAL QUESTION**

How do you divide fractions?

1

2

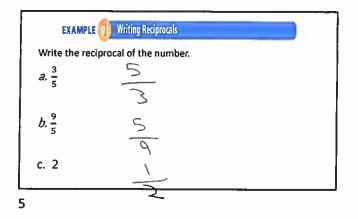
## **COMMON CORE STATE STANDARDS**

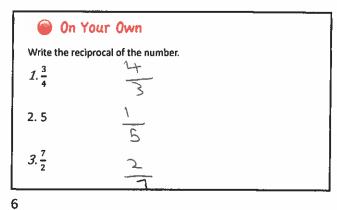
6.NS.1 Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions.

Two numbers whose product is 1 are RECIPROCALS.

To write the reciprocal of a number write the number as a fraction. Then invert the fraction.

Write the reciprocal of 4.

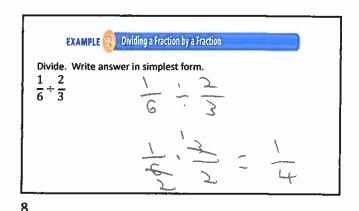


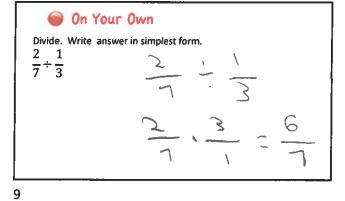


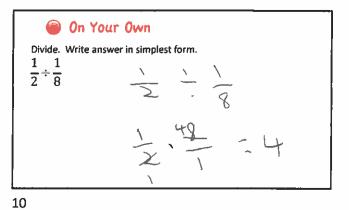
KEEP the first fraction

CHANGE division to multiplication

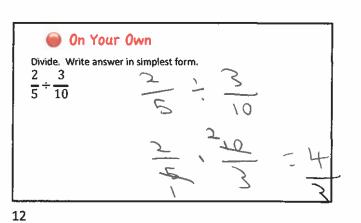
FLIP the second fraction

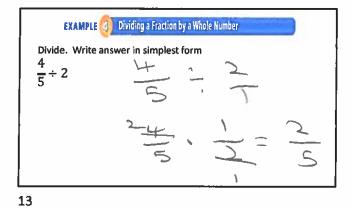


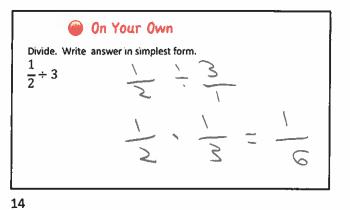




Divide. Write answer in simplest form.  $\frac{3}{8} \div \frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$   $\frac{3}{8} \times \frac{1}{4}$ 



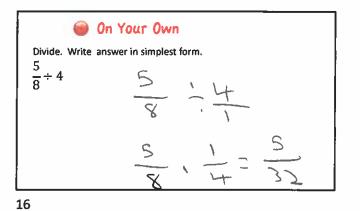


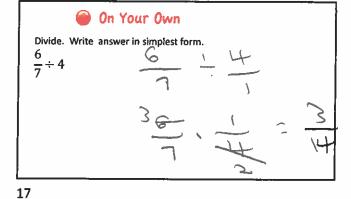


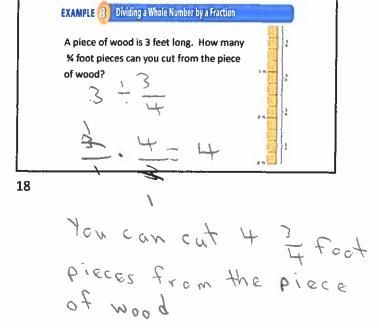
On Your Own

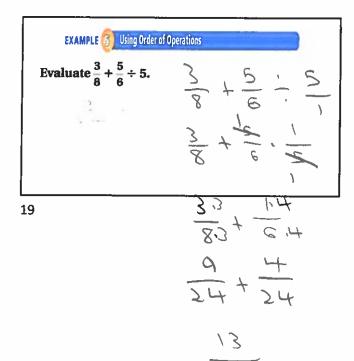
Divide. Write answer in simplest form.  $\frac{2}{3} \div 10$ 

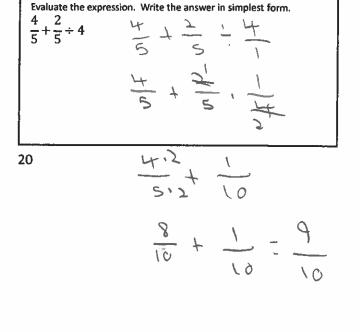
15











On Your Own

## on Your Own

Evaluate the expression. Write the answer in simplest form.

$$\frac{3}{8} \div \frac{3}{4} - \frac{1}{6}$$
  $\frac{3}{8} \div \frac{3}{4} - \frac{3}{6}$ 

$$\frac{13}{23} - \frac{1}{6}$$

$$\frac{3}{6} - \frac{1}{6} \cdot \frac{3}{6}$$

Evaluate the expression. Write the answer in simplest form.

$$\frac{8}{9} \div 2 \div 8$$
  $\frac{8}{9} \div \frac{2}{1} \div \frac{8}{1}$ 

22

KEEP the first fraction

**CHANGE** division to multiplication

FLIP the second fraction