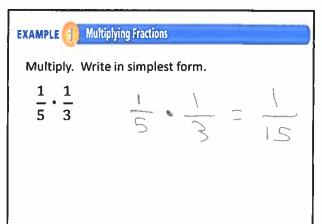
2.1 Multiplying Fractions

ESSENTIAL QUESTION

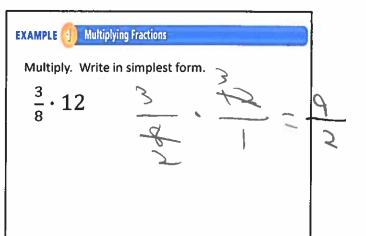
How do you multiply fractions?

COMMON CORE STATE STANDARDS

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



EXAMPLE 1 Multiplying Fractions	
Multiply. Write in simplest form $\frac{8}{9} \cdot \frac{3}{4}$	





On Your Own

Multiply. Write the answer in simplest form.

1.
$$\frac{1}{2} \cdot \frac{5}{6}$$

On Your Own

Multiply. Write the answer in simplest form.

2.
$$\frac{7}{8} \cdot \frac{1}{4}$$

On Your Own

Multiply. Write the answer in simplest form.

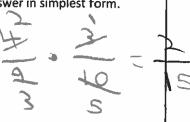
$$3.\frac{3}{7}\cdot\frac{2}{3}=\frac{2}{3}$$



on Your Own

Multiply. Write the answer in simplest form.

4.
$$\frac{4}{9} \cdot \frac{3}{10}$$



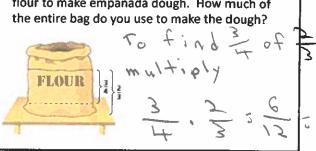
When multiplying fractions, multiple the numerators and denominators (multiply straight across). Then simplify if necessary. You can divide out

common factors if you recognize them first

Straight across

EXAMPLE (B) Real-Life Application

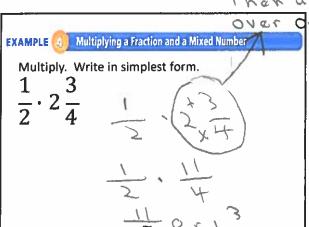
You have 2/3 of a bag of flour. You use ¾ of the flour to make empanada dough. How much of

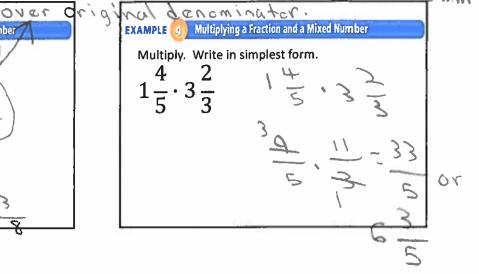


You use } of the

Bounce the ball to change the mixed rumber to an improper fraction multiply whole number times denominator.

Then add product tonumerator, writes um







Multiply. Write in simplest form.

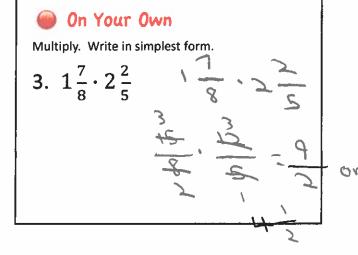
1.
$$\frac{1}{3} \cdot 1\frac{1}{6}$$
 $\frac{1}{3} \cdot 1\frac{1}{6}$ $\frac{1}{3} \cdot 1\frac{1}{6}$ $\frac{1}{3} \cdot \frac{7}{6} \cdot \frac{7}{18}$

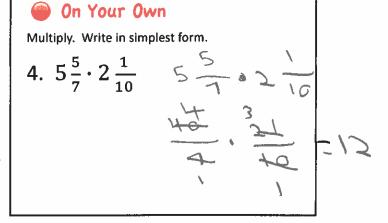
On Your Own

Multiply. Write in simplest form.

2.
$$3\frac{1}{2} \cdot \frac{4}{9}$$

3 2 4 ov





When multiplying MIXED NUMBERS, write each mixed number as an improper fraction (bounce the ball). Then multiply as you would with fractions. Simplify if necessary.

