Fraction Division- Guided Lesson Explanation

Explanation#1

Step 1) First we look to see what is being asked of us.

"Divide the fraction."

Step 2) Flip the second fraction.

$$\frac{3}{10} \text{ becomes } \frac{10}{3}$$

Then multiply the first fraction by that flipped fraction.

$$\frac{2 \times 10}{4 \times 3} = \frac{20}{12}$$

Step 3) Now simplify this fraction:

$$\frac{20}{12} = \frac{5}{3}$$

So, the answer is $\frac{5}{3}$.

Explanation#2

Step 1) First we look to see what is being asked of us.

"Divide the fraction."

Step 2) Flip the second fraction.

$$\frac{5}{7} \text{ becomes } \frac{7}{5}$$

Then multiply the first fraction by that flipped fraction.

$$\frac{5 \times 7}{7 \times 5} = \frac{35}{35}$$

Step 3) Now simplify this fraction:

$$\frac{35}{35} = \frac{1}{1}$$

So the answer is $\frac{1}{1}$.

Explanation#3

Step 1) First we look to see what is being asked of us.

"Divide the fraction."

Step 2) Flip the second fraction.

$$\frac{1}{4} \text{ becomes } \frac{4}{1}$$

Then multiply the first fraction by that flipped fraction.

$$\frac{1 \times 4}{8 \times 1} = \frac{4}{8}$$

Step 3) Now simplify this fraction:

$$\frac{4}{8} = \frac{1}{2}$$

So the answer is $\frac{1}{2}$.