



Use Fraction Division Vocabulary

● Check Understanding

Possible explanation: I can rewrite the equation using fractions greater than 1: $\frac{17}{6} \div \frac{3}{2}$.

Then, I multiply the dividend by the reciprocal of the divisor.

$$\frac{17}{6} \times \frac{2}{3} = \frac{34}{18}, \text{ or } 1\frac{16}{18}, \text{ or } 1\frac{8}{9}$$

So, the quotient of $2\frac{5}{6} \div \frac{3}{2}$ is $1\frac{8}{9}$.

RECORDING SHEET

I know that Area = length \times **width**. I can use what is given to write a **multiplication** equation with an unknown factor:

$$3\frac{2}{3} = \ell \times 1\frac{1}{3}$$

Next, I use **division** to find the unknown factor:

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

I can rewrite the equation using **fractions** greater than 1.

$$\ell = \frac{11}{3} \div \frac{4}{3}$$

Then, I multiply the **dividend** by the **reciprocal** of the **divisor**.

$$\frac{11}{3} \times \frac{3}{4} = \frac{33}{12}, \text{ or } 2\frac{9}{12}, \text{ or } 2\frac{3}{4}$$

I could also show my work using a **bar model**.

There are 2 full groups and $\frac{3}{4}$ of a third group.

So, $3\frac{2}{3} \div 1\frac{1}{3} = 2\frac{3}{4}$.

●● Check Understanding

Possible explanation: I can rewrite the equation using fractions greater than 1: $\frac{17}{6} \div \frac{3}{2}$.

Then, I multiply the dividend by the reciprocal of the divisor.

$$\frac{17}{6} \times \frac{2}{3} = \frac{34}{18}, \text{ or } 1\frac{16}{18}, \text{ or } 1\frac{8}{9}$$

So, the quotient of $2\frac{5}{6} \div \frac{3}{2}$ is $1\frac{8}{9}$.

RECORDING SHEET

I know that Area = length \times **width**. I can use what is given to write a **multiplication** equation with an unknown factor:

$$3\frac{2}{3} = \ell \times 1\frac{1}{3}$$

Next, I use **division** to find the unknown factor:

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

I can rewrite the equation using **fractions** greater than 1.

$$\ell = \frac{11}{3} \div \frac{4}{3}$$

Then, I multiply the **dividend** by the **reciprocal** of the **divisor**.

$$\frac{11}{3} \times \frac{3}{4} = \frac{33}{12}, \text{ or } 2\frac{9}{12}, \text{ or } 2\frac{3}{4}$$

I could also show my work using a **bar model**.

There are 2 full groups and $\frac{3}{4}$ of a third group.

So, $3\frac{2}{3} \div 1\frac{1}{3} = 2\frac{3}{4}$.



Use Fraction Division Vocabulary *continued*

●●● Check Understanding

Possible explanation: I can rewrite the equation

using fractions greater than 1: $\frac{17}{6} \div \frac{3}{2}$.

Then, I multiply the dividend by the reciprocal of the divisor.

$$\frac{17}{6} \times \frac{2}{3} = \frac{34}{18}, \text{ or } 1\frac{16}{18}, \text{ or } 1\frac{8}{9}$$

So, the quotient of $2\frac{5}{6} \div \frac{3}{2}$ is $1\frac{8}{9}$.

RECORDING SHEET

I know that Area = length \times **width**. I can use what is given to write a **multiplication** equation with an unknown factor:

$$3\frac{2}{3} = \ell \times 1\frac{1}{3}$$

Next, I use **division** to find the unknown factor:

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

I can rewrite the equation using **fractions** greater than 1.

$$\ell = \frac{11}{3} \div \frac{4}{3}$$

Then, I multiply the **dividend** by the **reciprocal** of the **divisor**.

$$\frac{11}{3} \times \frac{3}{4} = \frac{33}{12}, \text{ or } 2\frac{9}{12}, \text{ or } 2\frac{3}{4}$$

I could also show my work using a **bar model**.

There are **2** full groups and $\frac{3}{4}$ of a third group.

So, $3\frac{2}{3} \div 1\frac{1}{3} = 2\frac{3}{4}$.