

Fractions

How do I multiply fractions together?

To multiply fractions together, follow this rule:

“top x top, bottom x bottom”

This rule instructs you to multiply the top numbers together to create the numerator of the answer, and multiply the bottom numbers together to create the denominator of the answer.

Example

Multiply: $\frac{2}{3} \times \frac{1}{5} = ?$

Note how the *“top x top, bottom x bottom”* rule is used to get the answer.

$$\frac{2}{3} \times \frac{1}{5} = \frac{2 \times 1}{3 \times 5} = \frac{2}{15}$$

Example

Multiply: $\frac{7}{16} \times \frac{1}{2} = ?$

Once again, use the *“top x top, bottom x bottom”* rule.

$$\frac{7}{16} \times \frac{1}{2} = \frac{7 \times 1}{16 \times 2} = \frac{7}{32}$$