

Multiplying Fractions

Replace the multiplication sign with the word 'of' when multiplying fractions. You can use fraction grids drawn on transparent paper or sketches to help you visualise the process.

To multiply fractions:

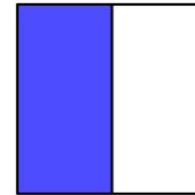
1. Replace the multiply sign with the word 'of' and rewrite the question.
2. Use fraction grids or sketches to help you solve the problem.
3. State your answer.
4. This is the same as multiplying the numerators and multiplying the denominators.

Images made using the free virtual manipulatives available at <https://www.geogebra.org/m/AZnX7deX>

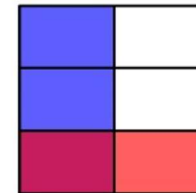
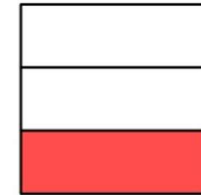
Example: $\frac{1}{2} \times \frac{1}{3}$

What is half of a third?

Draw a rectangle.
Split it into two
equal parts.



Draw a rectangle.
Split it into three
equal parts.



Place the fraction grid for thirds atop the fraction grid for halves. How many parts are there in total? Of which how many parts are shaded red and blue?

$$\frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$$