

Multiplying with Fractions

What does it mean to multiply by a fraction?

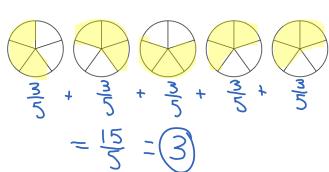
To find part of a number!



I. Multiplying Fractions by Whole Numbers

Ex 1:
$$\frac{1}{6} \times 12 = \frac{1}{6}$$
 of $|2|$

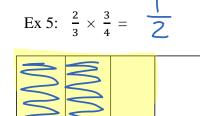
Ex 2:
$$5 \times \frac{3}{5} =$$

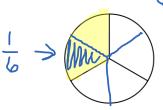


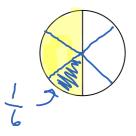
II. Multiplying Fractions by Fractions

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

Ex 4:
$$\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$$







How do we complete these problems without using figures?

Ex 1:
$$\frac{1}{6} \times 12 =$$

$$\frac{\int_{0}^{4} \times 12}{\sqrt{10}} = \frac{12}{\sqrt{10}} =$$

Ex 2:
$$5 \times \frac{3}{5} =$$

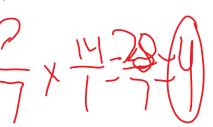
$$5 \times \frac{3}{5} = \frac{15}{5} = 3$$

Now you try! Write your answers in simplest form!

1)
$$\frac{5}{6} \times 12 =$$

$$\frac{5}{6} \times 12 = \frac{5}{6} =$$

2)
$$6 \times \frac{3}{4} =$$
 $6 \times \frac{3}{4} =$
 $9 \times 14 =$
 9×14

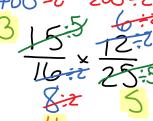


Now you try! Write your answers in simplest form!

1)
$$\frac{5}{6} \times \frac{2}{3} =$$

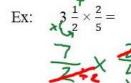
2)
$$\frac{7}{10} \times \frac{3}{4} = \frac{9}{4}$$

3)
$$\frac{15}{16} \times \frac{12}{25} = \frac{180}{1600}$$

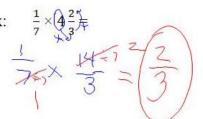


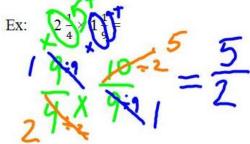
III. Multiplying with Mixed Numbers

How do we multiply with mixed numbers? Simply convert them into More Torque Tor











Now you try! Write your answers in simplest form!

1)
$$1\frac{5}{6} \times \frac{3}{11} =$$

2)
$$\frac{2}{7} \times 5 \frac{3}{5} =$$

