

# MULTIPLYING FRACTIONS

## fraction x fraction

$$\frac{2}{5} \times \frac{3}{4} = \frac{6 \div 2}{20 \div 2} = \frac{3}{10}$$

Step 1:

Multiply the numerators

Step 2:

Multiply the denominators

Step 3:

Simplify the fraction

## fraction x whole number

Step 1:

Rewrite the whole # as a fraction

Step 2:

Multiply straight across

Step 3:

Simplify the fraction if needed

$$\frac{1}{4} \times 3 = \frac{1}{4} \times \frac{3}{1} = \frac{3}{4}$$

## mixed numbers

$$1\frac{1}{2} \times 2\frac{1}{5} = \frac{3}{2} \times \frac{11}{5} = \frac{33}{10} = 3\frac{3}{10}$$

Step 1:

Convert to improper fractions

Step 2:

Multiply straight across

Step 3:

Simplify the fraction by converting back to a mixed number