



Two-step fraction problems

You can use unit fractions to help you solve harder problems.

Example

To find $\frac{3}{4}$ of a box of 24 chocolates, think of the calculation as three lots of $\frac{1}{4}$ of the chocolates.

First find $\frac{1}{4}$ of 24: $24 \div 4 = 6$.

Then multiply the answer by 3: $3 \times 6 = 18$.

So the answer is **18 chocolates**.

Example

To find $\frac{2}{3}$ of a box of 24 chocolates, think of the calculation as two lots of $\frac{1}{3}$ of the chocolates.

First find $\frac{1}{3}$ of 24: $24 \div 3 = 8$.

Then multiply the answer by 2: $2 \times 8 = 16$.

So the answer is **16 chocolates**.

You need to remember what numbers to divide and multiply by. You do this by looking at the fraction you want. The bottom number – denominator - is the dividing number and the top number – numerator - is the multiplying number.

Fraction	Divide by	Multiply by
$\frac{2}{5}$	5	2
$\frac{6}{7}$	7	6
$\frac{3}{10}$	10	3
$\frac{5}{8}$	8	5
$\frac{9}{12}$	12	9