

Finding Fractions of Numbers

Half the counters are red.



A quarter of the counters are green.



In mathematics, a fraction is a way of dividing up numbers. To find the fraction of a number, you will need to divide the number by however many parts of the fraction there is.

Numerator and Denominator

The **numerator** is the top part of the number. It tells us how many 'parts' we need to have after the whole number has been divided.

The **denominator** is the bottom half of the fraction. It tells us how many parts we need to divide by.

3

4



Simple Fractions

$$\frac{1}{4}$$

$$\frac{1}{2}$$

$$\frac{3}{4}$$

To find half of a number we divide by 2.

To find a quarter of a number we can halve it and halve it again ($\div 4$)

To find three quarters of a number we add the half and the quarter together.

Finding Fractions of Numbers

$$\frac{2}{5} \text{ of } 20$$

- 1) First you divide the whole number by the denominator.
- 2) Then you multiply this answer by the numerator.

$$1) 20 \div 5 = 4$$

$$2) 4 \times 2 = 8$$

denominator



numerator



$$\frac{2}{5} \text{ of } 20 = 8$$



Finding Fractions of Numbers

Find divide by the denominator first

Multiply this by the numerator

Answer

$\frac{3}{4}$ of 40

40 = 10

10 = 30

$\frac{2}{3}$ of 15

15 = 5

5 = 10

$\frac{4}{5}$ of 25

25 = 5

5 = 20



Finding Fractions of Numbers

Click on the question to reveal the answer

$\frac{1}{4}$ of 40

$\frac{2}{10}$ of 30

$\frac{3}{4}$ of 12

$\frac{2}{3}$ of 30

$\frac{2}{3}$ of 18

$\frac{5}{6}$ of 24

$\frac{2}{7}$ of 21

$\frac{3}{5}$ of 40

$\frac{7}{8}$ of 32

$\frac{2}{5}$ of 35

$\frac{7}{10}$ of 50

$\frac{3}{10}$ of 40