

On this page you will learn to find a fraction of a number or quantity.

Examples

$$\frac{1}{7} \text{ of } 420 = 420 \div 7 = 60$$

$$\frac{5}{8} \text{ of } 640 = (640 \div 8) \times 5 = 80 \times 5 = 400$$

To find what fraction one quantity is of another, make a fraction by putting one quantity over the other.

TAKE CARE! The units of the two quantities must be the same.

Examples

What fraction of £2 is 35p?

Answer = $\frac{35}{200} = \frac{7}{40}$, because £2 = 200p.

What fraction of one metre is 25 cm?

Answer = $\frac{25}{100} = \frac{1}{4}$, because 1 m = 100 cm.

What fraction of one litre is 200 ml?

Answer = $\frac{200}{1000} = \frac{1}{5}$, because 1 litre = 1000 ml.



A

Find $\frac{1}{10}$ of:

- | | |
|-------|-------|
| 1 700 | 4 5 m |
| 2 280 | 5 £2 |
| 3 1 m | 6 £3 |

Find $\frac{7}{10}$ of:

- | | |
|---------|--------|
| 7 40 | 10 1 m |
| 8 20 | 11 £1 |
| 9 60 cm | 12 £5 |

Find $\frac{1}{8}$ of:

- | | |
|----------|---------|
| 13 32 | 16 56 m |
| 14 72 | 17 40p |
| 15 24 cm | 18 64p |

Find $\frac{3}{4}$ of:

- | | |
|--------|----------|
| 19 32 | 22 36 cm |
| 20 24 | 23 £1 |
| 21 1 m | 24 60p |

B

Find

- | | |
|---------------------------|-----------------------------|
| 1 $\frac{3}{5}$ of 40 | 7 $\frac{63}{1000}$ of 1 kg |
| 2 $\frac{5}{9}$ of 270 | 8 $\frac{3}{10}$ of 3 kg |
| 3 $\frac{9}{10}$ of 600 | 9 $\frac{5}{6}$ of 480 g |
| 4 $\frac{7}{10}$ of 5 m | 10 $\frac{4}{5}$ of 1 l |
| 5 $\frac{29}{100}$ of 2 m | 11 $\frac{6}{7}$ of 42 l |
| 6 $\frac{9}{1000}$ of 1 m | 12 $\frac{19}{100}$ of 3 l |

What fraction of £1 is:

- | | |
|--------|--------|
| 13 20p | 15 75p |
| 14 5p | 16 4p? |

What fraction of 1 litre is:

- | | |
|-----------|-----------|
| 17 79 ml | 19 250 ml |
| 18 310 ml | 20 10 ml? |

What fraction of 1 metre is:

- | | |
|----------|-----------|
| 21 5 cm | 23 60 cm |
| 22 12 cm | 24 35 cm? |

C

Find

- | | |
|----------------------------|-----------------------------|
| 1 $\frac{7}{8}$ of 200 | 7 $\frac{3}{5}$ of 6 kg |
| 2 $\frac{4}{5}$ of 120 | 8 $\frac{57}{100}$ of 4 kg |
| 3 $\frac{7}{9}$ of 3600 | 9 $\frac{7}{10}$ of 4 kg |
| 4 $\frac{3}{10}$ of 4.2 m | 10 $\frac{12}{100}$ of 5 l |
| 5 $\frac{19}{20}$ of 4 m | 11 $\frac{4}{50}$ of 2 l |
| 6 $\frac{11}{1000}$ of 7 m | 12 $\frac{19}{1000}$ of 5 l |

What fraction of £1 is:

- | | |
|--------|-----------|
| 13 17p | 15 £0.15 |
| 14 65p | 16 £0.02? |

What fraction of 1 litre is:

- | | |
|-----------|-----------|
| 17 5 ml | 19 220 ml |
| 18 125 ml | 20 1 ml? |

What fraction of 1 metre is:

- | | |
|---------|----------|
| 21 2 cm | 23 75 cm |
| 22 2 mm | 24 1 mm? |