

(DECIMALS, FRACTIONS AND PERCENTAGES)

On these pages you will practise a mixture of problems in your head using decimals, fractions and percentages.

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Work out

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|-----------------------|------------------------|
| 1 $\frac{1}{3}$ of 18 | 16 $\frac{2}{3}$ of 18 |
| 2 $\frac{1}{4}$ of 28 | 17 $\frac{3}{4}$ of 28 |
| 3 $\frac{1}{4}$ of 32 | 18 $\frac{2}{5}$ of 30 |
| 4 $\frac{1}{5}$ of 30 | 19 $\frac{3}{8}$ of 16 |
| 5 $\frac{1}{8}$ of 32 | 20 $\frac{5}{6}$ of 42 |
| 6 $0.2 + 0.7$ | 21 $8.9 - 3.6$ |
| 7 $0.6 + 0.3$ | 22 $4.6 - 2.1$ |
| 8 $1.4 + 0.4$ | 23 $7.6 - 3.4$ |
| 9 $3.1 + 6.3$ | 24 $8.6 - 5.2$ |
| 10 $8.7 + 5.9$ | 25 $6.1 - 2.9$ |
| 11 $£2.11 + £3.73$ | 26 $£1.86 - £1.43$ |
| 12 $£3.62 + £1.31$ | 27 $£3.64 - £1.51$ |
| 13 $£4.06 + £3.27$ | 28 $£6.83 - £4.52$ |
| 14 $£5.12 + £2.26$ | 29 $£3.16 - £1.09$ |
| 15 $£4.38 + £6.73$ | 30 $£2.41 - £2.36$ |

- 31 A window cleaner charges £5.25 and is paid with a £10 note.

What change does he give?



- 32 Which is larger?

20% of £80 or 50% of £40

- 33 Which is larger?

10% of £70 or 5% of £120

- 34 Which is larger?

70% of £30 or 5% of £200

- 35 Which is larger?

30% of £10 or 25% of £8

Work out

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|----------------------------------|----------------------------------|
| 36 $\frac{1}{5} + \frac{2}{5}$ | 39 $\frac{7}{9} - \frac{3}{9}$ |
| 37 $\frac{3}{10} + \frac{6}{10}$ | 40 $\frac{8}{11} + \frac{2}{11}$ |
| 38 $\frac{5}{7} - \frac{4}{7}$ | |

In Questions 41 to 45 change the number into a fraction.

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|---------|---------|
| 41 0.8 | 44 2% |
| 42 0.07 | 45 0.17 |
| 43 17% | |

In Questions 46 to 50 change the number into a decimal.

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|---------------------|------------------|
| 46 $\frac{3}{10}$ | 49 $\frac{3}{4}$ |
| 47 7% | 50 20% |
| 48 $\frac{19}{100}$ | |