

Fractions, Decimals and Percentages (1)



**** You need a calculator for this worksheet.**

1. Calculate :

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|------------------------------|----------------------------------|---------------------------------|
| (a) $\frac{1}{3}$ of £90 | (b) $\frac{1}{5}$ of 55 kg | (c) $\frac{1}{7}$ of £14.70 |
| (d) $\frac{3}{5}$ of 55 cm | (e) $\frac{5}{8}$ of £136 | (f) $\frac{7}{9}$ of 58.5 grams |
| (g) $\frac{2}{3}$ of £15.96 | (h) $\frac{9}{10}$ of 45 kg | (i) $\frac{3}{7}$ of £10.92 |
| (j) $\frac{5}{6}$ of £5.10 | (k) $\frac{3}{8}$ of 984 mm(l) | $\frac{9}{12}$ of £1.08 |
| (m) $\frac{11}{20}$ of £2540 | (n) $\frac{9}{16}$ of 480 tonnes | (o) $\frac{5}{17}$ of 25.5 kg |

2. Calculate :

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|------------------|------------------|-----------------------|
| (a) 28% of £90 | (b) 50% of 300 g | (c) 15% of £45 |
| (d) 42% of 60 kg | (e) 17% of £10 | (f) 34% of 85 cm |
| (g) 19% of £64 | (h) 5% of £340 | (i) 65% of £880 |
| (j) 8% of 4500 g | (k) 90% of £250 | (l) 94% of £360 |
| (m) 78% of £1500 | (n) 6% of £12 | (o) 7% of 1200 tonnes |

3. Calculate each of the following rounding your answers to the nearest penny.

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|-------------------|-------------------|-------------------|
| (a) 36% of £13.20 | (b) 24% of £12.71 | (c) 18% of £6.35 |
| (d) 47% of 89 p | (e) 57% of £10.43 | (f) 41% of 51 p |
| (g) 12% of £18.30 | (h) 4% of £341.20 | (i) 5% of £834.65 |
| (j) 81% of £3.45 | (k) 9% of £2.57 | (l) 34% of 88 p |
| (m) 71% of £1.53 | (n) 3% of £12.08 | (o) 57% of 97 p |

4. Change each of the following fractions to percentages.
Round your answer to the nearest percent when necessary.

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|--------------------|--------------------|---------------------|----------------------|----------------------|---------------------|
| (a) $\frac{3}{5}$ | (b) $\frac{1}{4}$ | (c) $\frac{7}{25}$ | (d) $\frac{7}{10}$ | (e) $\frac{19}{100}$ | (f) $\frac{19}{20}$ |
| (g) $\frac{5}{9}$ | (h) $\frac{5}{11}$ | (i) $\frac{18}{23}$ | (j) $\frac{5}{12}$ | (k) $\frac{4}{32}$ | (l) $\frac{8}{13}$ |
| (m) $\frac{2}{15}$ | (n) $\frac{3}{7}$ | (o) $\frac{6}{31}$ | (p) $\frac{38}{365}$ | (q) $\frac{48}{160}$ | (r) $\frac{9}{29}$ |

5. John's schedule marks are shown in the table below :

Subject	Maths	English	Tech	Science	Art	History	French
Mark	30 out of 60	54 out of 72	40 out of 65	38 out of 55	65 out of 70	27 out of 40	70 out of 95
%							

- (a) **Copy** and complete the table by calculating John's "percentage mark" for each subject.
Round each answer to the nearest percent where necessary.
- (b) Which was John's best subject ?
- (c) Which was his worst ?