

Workout

Question 1: Work out

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|----------------------|---------------------|----------------------|----------------------|
| (a) $6 \div 0.2$ | (b) $4 \div 0.5$ | (c) $12 \div 0.3$ | (d) $2 \div 0.1$ |
| (e) $25 \div 0.5$ | (f) $15 \div 0.3$ | (g) $0.8 \div 0.2$ | (h) $0.9 \div 0.3$ |
| (i) $1.4 \div 0.2$ | (j) $3 \div 0.6$ | (k) $14 \div 0.7$ | (l) $2.4 \div 1.2$ |
| (m) $3.5 \div 0.5$ | (n) $45 \div 1.5$ | (o) $0.15 \div 0.5$ | (p) $0.72 \div 0.2$ |
| (q) $0.48 \div 0.3$ | (r) $0.36 \div 0.9$ | (s) $0.048 \div 0.2$ | (t) $0.095 \div 0.5$ |
| (u) $0.072 \div 0.6$ | (v) $1.05 \div 0.5$ | (w) $4.29 \div 0.3$ | (x) $0.784 \div 0.7$ |

Question 2: Work out the following

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|-----------------------|------------------------|-----------------------|-----------------------|
| (a) $2 \div 0.05$ | (b) $3 \div 0.02$ | (c) $6 \div 0.03$ | (d) $12 \div 0.04$ |
| (e) $15 \div 0.01$ | (f) $60 \div 0.06$ | (g) $0.08 \div 0.04$ | (h) $0.06 \div 0.02$ |
| (i) $0.4 \div 0.05$ | (j) $0.8 \div 0.02$ | (k) $0.27 \div 0.09$ | (l) $0.28 \div 0.07$ |
| (m) $1.2 \div 0.06$ | (n) $4.9 \div 0.07$ | (o) $0.058 \div 0.02$ | (p) $0.075 \div 0.05$ |
| (q) $1.278 \div 0.06$ | (r) $0.0476 \div 0.07$ | (s) $360 \div 0.12$ | (t) $45 \div 0.15$ |

Question 3: Work out

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|------------------------|---------------------|-----------------------|----------------------|
| (a) $0.6 \div 0.02$ | (b) $34 \div 0.2$ | (c) $0.9 \div 0.5$ | (d) $2.4 \div 0.08$ |
| (e) $6 \div 0.005$ | (f) $12 \div 0.1$ | (g) $1.4 \div 0.04$ | (h) $0.066 \div 0.3$ |
| (i) $0.06 \div 0.15$ | (j) $20 \div 0.004$ | (k) $2.672 \div 0.08$ | (l) $2.75 \div 0.05$ |
| (m) $0.275 \div 0.005$ | (n) $750 \div 2.5$ | (o) $5.6 \div 0.004$ | (p) $360 \div 1.2$ |

Apply

Question 1: A sweet cost £0.04
How many sweets can I buy for £20?

Question 2: Mia has 20 metres of ribbon.
She is cutting it into pieces that are 0.8m long.
How many 0.8m pieces of ribbon will she have?

Question 3: Yasmin has £17 in five pence pieces.
How many five pence pieces does she have?



Question 4: Find the missing numbers

$$0.4 \times \square = 20.8$$

$$0.7 \times \square = 45$$

Question 5: A teacher is placing textbooks that are 2.5cm thick on a bookshelf.
The teacher wants to place 60 textbooks on the shelf.
The bookshelf is 160cm long.
Does the teacher have enough room on the bookshelf for the textbooks?



Question 6: A grain of rice has a mass of 0.015g
How many grains are there in 300g of rice?

Question 7: A type of pebble has a mass of 0.8g
How many pebbles are there in 40kg?

Question 8: Use approximations to estimate the answer to the following

(a)
$$\frac{9.892}{0.502}$$

(b)
$$\frac{6.97 \times 201.82}{0.391}$$

(c)
$$\frac{1802.7 - 397.2}{0.699}$$