Dividing by Decimals
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Examples

Workout

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Question 1: Work out

(a) 6 ÷ 0.2

(b) 4 ÷ 0.5

(c) 12 ÷ 0.3

(d) 2 ÷ 0.1

(e) 25 ÷ 0.5

(f) 15 ÷ 0.3

(g) 0.8 ÷ 0.2

(h) 0.9 ÷ 0.3

(i) 1.4 ÷ 0.2

(j) 3 ÷ 0.6

(k) 14 ÷ 0.7

(l) 2.4 ÷ 1.2

(m) 3.5 ÷ 0.5

(n) 45 ÷ 1.5

(o) 0.15 ÷ 0.5

(p) 0.72 ÷ 0.2

(q) 0.48 ÷ 0.3

(r) 0.36 ÷ 0.9

(s) 0.048 ÷ 0.2

(t) 0.095 ÷ 0.5

(u) 0.072 ÷ 0.6

(v) 1.05 ÷ 0.5

(w) 4.29 ÷ 0.3

(x) 0.784 ÷ 0.7

Question 2: Work out the following

(a) 2 ÷ 0.05

(b) 3 ÷ 0.02

(c) 6 ÷ 0.03

(d) 12 ÷ 0.04

(e) 15 ÷ 0.01

(f) 60 ÷ 0.06

(g) 0.08 ÷ 0.04

(h) 0.06 ÷ 0.02

(i) 0.4 ÷ 0.05

(j) 0.8 ÷ 0.02

(k) 0.27 ÷ 0.09

(l) 0.28 ÷ 0.07

(m) 1.2 ÷ 0.06

(n) 4.9 ÷ 0.07

(o) 0.058 ÷ 0.02

(p) 0.075 ÷ 0.05

(q) 1.278 ÷ 0.06

(r) 0.0476 ÷ 0.07

(s) 360 ÷ 0.12

(t) 45 ÷ 0.15

Question 3: Work out

(a) 0.6 ÷ 0.02

(b) 34 ÷ 0.2

(c) 0.9 ÷ 0.5

(d) 2.4 ÷ 0.08

(e) 6 ÷ 0.005

(f) 12 ÷ 0.1

(g) 1.4 ÷ 0.04

(h) 0.066 ÷ 0.3

(i) 0.06 ÷ 0.15

(j) 20 ÷ 0.004

(k) 2.672 ÷ 0.08

(l) 2.75 ÷ 0.05

(m) 0.275 ÷ 0.005

(n) 750 ÷ 2.5

(o) 5.6 ÷ 0.004

(p) 360 ÷ 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

$$0.4 \times \boxed{} = 20.8$$

$$0.7 \times \boxed{} = 45$$

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)
$$\frac{9.89^2}{0.502}$$

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

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

Answers

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