

Dividing Decimals by Whole Numbers

Video 93 on www.corbettmaths.com

Examples

Workout



Click here



Scan here

Question 1: Work out

- | | | | |
|-------------------|-------------------|-------------------|-------------------|
| (a) $4.6 \div 2$ | (b) $6.5 \div 5$ | (c) $9.6 \div 3$ | (d) $8.4 \div 4$ |
| (e) $7.2 \div 3$ | (f) $6.8 \div 4$ | (g) $18.5 \div 5$ | (h) $9.6 \div 8$ |
| (i) $14.4 \div 6$ | (j) $27.9 \div 9$ | (k) $9.1 \div 7$ | (l) $36.5 \div 5$ |
| (m) $33.2 \div 4$ | (n) $19.2 \div 3$ | (o) $27.6 \div 6$ | (p) $42.4 \div 8$ |

Question 2: Work out

- | | | | |
|--------------------|--------------------|---------------------|----------------------|
| (a) $3.96 \div 3$ | (b) $0.75 \div 5$ | (c) $8.56 \div 4$ | (d) $0.528 \div 6$ |
| (e) $5.81 \div 7$ | (f) $0.657 \div 9$ | (g) $2.176 \div 8$ | (h) $0.238 \div 7$ |
| (i) $0.119 \div 7$ | (j) $0.072 \div 6$ | (k) $2.556 \div 3$ | (l) $3.325 \div 5$ |
| (m) $701.2 \div 4$ | (n) $9.927 \div 9$ | (o) $12.065 \div 5$ | (p) $0.16024 \div 4$ |

Question 3: Work out

- | | | | |
|--------------------|--------------------|-------------------|-------------------|
| (a) $1.3 \div 2$ | (b) $2.9 \div 2$ | (c) $1.4 \div 5$ | (d) $24.3 \div 5$ |
| (e) $5.4 \div 4$ | (f) $0.038 \div 5$ | (g) $1.4 \div 8$ | (h) $2.13 \div 6$ |
| (i) $0.284 \div 8$ | (j) $54.3 \div 6$ | (k) $47.5 \div 8$ | (l) $7.42 \div 3$ |

Question 4: Work out the following divisions

- | | | | |
|---------------------|---------------------|----------------------|---------------------|
| (a) $8.4 \div 12$ | (b) $0.143 \div 11$ | (c) $34.5 \div 15$ | (d) $0.322 \div 14$ |
| (e) $2.266 \div 22$ | (f) $7.68 \div 12$ | (g) $0.56 \div 16$ | (h) $15.75 \div 25$ |
| (i) $2.12 \div 40$ | (j) $77.25 \div 75$ | (k) $0.9936 \div 23$ | (l) $3.52 \div 110$ |

Dividing Decimals by Whole Numbers

Video 93 on www.corbettmaths.com

Apply

Question 1: Four friends share £6.52 equally.
How much do they each receive?

Question 2: James has 3.65m of rope into 5 pieces of equal length.
How long is equal piece of rope?



Question 3: The perimeter of a square is 53.3cm.
Work out the length of equal side.



Perimeter = 53.3cm

Question 4: SuperSaver sells 6 eggs for £1.14
TopBuys sells 8 eggs for £1.68
BestBuys sells 12 eggs for £2.64

Which shop is best value?

Question 5: Roger is organising a trip to a museum.
The total price of the tickets is £103.50
The total price for the coach is £64.80
If nine people are going on the trip, how much should they pay each?



Question 6: A shop charges 12p to photocopy one page in full colour.
Sam has photocopied some pages in colour and the total cost is £16.08
How many pages did he photocopy?



Question 7: The perimeter of a regular octagon is 4.096cm
Calculate the length of each side.

Answers



Click here



Scan here