

Dividing Decimals - Worksheet

Skill

Group A - Dividing a decimal by an integer

Work out the following:

1) $7.5 \div 5 =$

2) $3.6 \div 3 =$

3) $6.8 \div 4 =$

4) $4.8 \div 2 =$

5) $18.5 \div 5 =$

6) $2.8 \div 7 =$

7) $9.6 \div 8 =$

8) $0.755 \div 5 =$

9) $2.556 \div 3 =$

10) $701.2 \div 4 =$

11) $9.936 \div 9 =$

12) $0.9936 \div 23 =$

Group B - Dividing an integer by a decimal

Work out the following:

1) $76 \div 0.5 =$

2) $8 \div 0.4 =$

3) $9 \div 0.3 =$

4) $14 \div 0.7 =$

5) $4 \div 0.02 =$

6) $12 \div 0.03 =$

7) $36 \div 0.2 =$

8) $45 \div 0.15 =$

9) $96 \div 0.02 =$

10) $360 \div 0.12 =$

11) $24 \div 0.08 =$

12) $750 \div 0.25 =$

Group C - Dividing a decimal by a decimal

Work out the following:

1) $0.6 \div 0.4 =$

2) $0.9 \div 0.3 =$

3) $1.2 \div 0.3 =$

4) $7.5 \div 0.5 =$

5) $0.72 \div 0.02 =$

6) $4.8 \div 0.2 =$

7) $2.4 \div 0.08 =$

8) $1.4 \div 0.04 =$

9) $0.06 \div 0.15 =$

10) $5.6 \div 0.008 =$

11) $2.66 \div 0.002 =$

12) $3.6 \div 0.00012 =$

Dividing Decimals - Worksheet

Applied

1) Fill in the blanks:

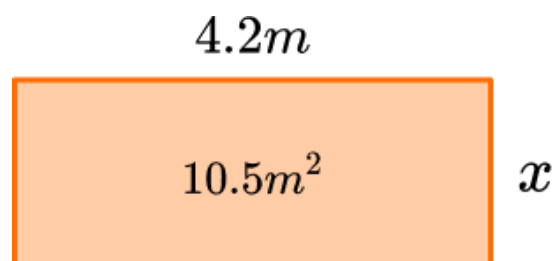
(a) $0.7 \div \square = 3.5$

(b) $0.8 \div \square = 32$

2) (a) If the cost of one notebook is £1.50, how many notebooks can I buy with £30?

(b) The total cost of 5 theme park tickets is £175.90. Find the cost of 1 ticket.

3) The area of the rectangle below is 10.5m^2 .
If the length is 4.2m , calculate the width.



4) Four sisters share £12.52 equally. How much does each of the sisters receive?

Dividing Decimals- Exam Questions

- 1) (a) Work out:
 $0.49 \div 0.7$

.....
(2)

- (b) Work out:
 $1.278 \div 0.06$

.....
(2)
(4 marks)

-
- 2) (a) The perimeter of a square is 98.2m. Work out the side length of the square.

.....
(2)

- (b) Calculate the area of the square.

.....
(2)
(4 marks)

-
- 3) (a) A pebble weighs 0.08g. How many pebbles are there in 160g?

.....
(2)

- (b) How many pebbles are there in 4kg?

.....
(3)
(5 marks)

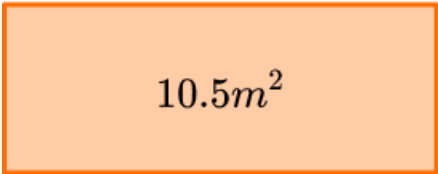
Dividing Decimals - Answers

	Question	Answer
	Skill Questions	
Group A	Work out the following: 1) $7.5 \div 5 =$ 2) $3.6 \div 3 =$ 3) $6.8 \div 4 =$ 4) $4.8 \div 2 =$ 5) $18.5 \div 5 =$ 6) $2.8 \div 7 =$ 7) $9.6 \div 8 =$ 8) $0.755 \div 5 =$ 9) $2.556 \div 3 =$ 10) $701.2 \div 4 =$ 11) $9.936 \div 9 =$ 12) $0.9936 \div 23 =$	1) 1.5 2) 1.2 3) 1.7 4) 2.4 5) 3.7 6) 0.4 7) 1.2 8) 0.151 9) 0.852 10) 175.3 11) 1.104 12) 0.0432
Group B	Work out the following: 1) $76 \div 0.5 =$ 2) $8 \div 0.4 =$ 3) $9 \div 0.3 =$ 4) $14 \div 0.7 =$ 5) $4 \div 0.02 =$ 6) $12 \div 0.03 =$ 7) $36 \div 0.2 =$ 8) $45 \div 0.15 =$ 9) $96 \div 0.02 =$ 10) $360 \div 0.12 =$ 11) $24 \div 0.08 =$ 12) $750 \div 0.25 =$	1) 152 2) 20 3) 30 4) 20 5) 200 6) 400 7) 180 8) 300 9) 4 800 10) 3 000 11) 300 12) 3 000

Dividing Decimals - Answers

Group C	Work out the following: 1) $0.6 \div 0.4 =$ 2) $0.9 \div 0.3 =$ 3) $1.2 \div 0.3 =$ 4) $7.5 \div 0.5 =$ 5) $0.72 \div 0.02 =$ 6) $4.8 \div 0.2 =$ 7) $2.4 \div 0.08 =$ 8) $1.4 \div 0.04 =$ 9) $0.06 \div 0.15 =$ 10) $5.6 \div 0.008 =$ 11) $2.66 \div 0.002 =$ 12) $3.6 \div 0.00012 =$	1) 1.5 2) 3 3) 4 4) 15 5) 36 6) 24 7) 30 8) 35 9) 0.4 10) 700 11) 1 330 12) 30 000
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Dividing Decimals - Answers

	Question	Answer
	Applied Questions	
1)	Fill in the blanks: a) $0.7 \div \square = 3.5$ b) $0.8 \div \square = 32$	a) 0.2 b) 0.025
2)	a) If the cost of one notebook is £1.50, how many notebooks can I buy with £30? b) The total cost of 5 theme park tickets is £175.90. Find the cost of 1 ticket.	a) 20 notebooks b) £35.18 per ticket
3)	The area of the rectangle below is 10.5m^2 . If the length is 4.2m , calculate the width. 4.2m  10.5m^2 x	$x = 2.5\text{m}$
4)	Four sisters share £12.52 equally. How much does each of the sisters receive?	£3.13

Dividing Decimals - Mark Scheme

	Question	Answer	
	Exam Questions		
1) (a)	Work out: $0.49 \div 0.7$	(a) $4.9 \div 7$ or some other correct working (1) 0.7 (1)	(2)
(b)	Work out: $1.278 \div 0.06$	(b) $127.8 \div 6$ or some other correct working (1) 21.3 (1)	(2)
2) (a)	The perimeter of a square is 98.2m. Work out the side length of the square.	(a) $98.2 \div 4$ (1) 24.55m (1)	(2)
(b)	Calculate the area of the square.	(b) 24.55×24.55 (1) 602.7025m^2 (1)	(2)
3) (a)	A pebble weighs 0.08g. How many pebbles are there in 160g?	(a) $160 \div 0.08$ (1) $2\,000$ pebbles (1)	(2)
(b)	How many pebbles are there in 4kg?	(b) $4\,000 \div 0.08$ (1) $50\,000$ pebbles (1)	(2)

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