Dividing Decimals

Answer each of the following questions, remember to show your calculations.

1. 13.44 ÷ 2.4

2. 73.06 ÷ 1.3

3. 13.56 ÷ 2.4

4. 143.22 ÷ 2.1

5. 88.28 ÷ 1.6

6. 3.072 ÷ 1.2

7. 6.448 ÷ 5.2

8. 9.45 ÷ 0.8

9. 9.424 ÷ 1.52

10. 38.976 ÷ 6.72

Dividing Decimals **Answers**

1. 5.6
2. 56.2
3. 5.65
4. 68.2
5. 55.175
6. 2.56
7. 1.24
8. 11.8125
9. 6.2
10. 5.8

Dividing Decimals

Answer each of the following questions, remember to show your calculations.

1. 8 ÷ 0.2

2. 32 ÷ 0.4

3. 100 ÷ 0.5

4. 24.2 ÷ 4

5. 88 ÷ 1.6

6. 104 ÷ 2.6

7. 956 ÷ 2.5

8. 94 ÷ 0.8

9. 548 ÷ 3.2

10. 140 ÷ 5.6

Dividing Decimals **Answers**

1. 40
2. 80
3. 200
4. 6.05
5. 55
6. 40
7. 382.4
8. 117.5
9. 171.25
10. 25

Dividing Decimals

Answer each of the following questions, remember to show your calculations.

1. 102 ÷ 2.4

2. 172 ÷ 1.6

3. 652 ÷ 3.2

4. 322 ÷ 0.25

5. 14.8 ÷ 1.6

6. 62.4 ÷ 3.2

7. 212.8 ÷ 1.6

8. 178.5 ÷ 1.2

9. 28. 6 ÷ 1.3

10. 125.4 ÷ 1.6

Dividing Decimals **Answers**

1. **42.5**
2. **107.5**
3. **203.75**
4. **1288**
5. **9.25**
6. **19.5**
7. **133**
8. **148.75**
9. **22**
10. **78.375**

Dividing Decimals Loop Cards	
Start	45.2 ÷ 4

Dividing Decimals Loop Cards	
11.3	92 ÷ 2.3

Dividing Decimals Loop Cards	
40	26.8 ÷ 0.2

Dividing Decimals Loop Cards	
134	6.5 ÷ 4

Dividing Decimals Loop Cards	
1.625	5.2 ÷ 13

Dividing Decimals Loop Cards	
0.4	70.2 ÷ 2.5

Dividing Decimals Loop Cards	
28.08	25.2 ÷ 1.2

Dividing Decimals Loop Cards	
21	21 ÷ 3.5

Dividing Decimals Loop Cards	
6	120 ÷ 2.4

Dividing Decimals Loop Cards	
50	102.2 ÷ 4

Dividing Decimals Loop Cards	
25.55	74 ÷ 2.5

Dividing Decimals Loop Cards	
29.6	68.4 ÷ 1.2

Dividing Decimals Loop Cards	
57	170 ÷ 3.2

Dividing Decimals Loop Cards	
53.125	65 ÷ 3.25

Dividing Decimals Loop Cards	
20	85.5 ÷ 2.25

Dividing Decimals Loop Cards	
38	6 ÷ 0.05

Dividing Decimals Loop Cards	
120	2.5 ÷ 1.6

Dividing Decimals Loop Cards	
1.5625	0.1 ÷ 0.2

Dividing Decimals Loop Cards	
0.5	45.5 ÷ 3.5

Dividing Decimals Loop Cards	
13	5 ÷ 0.08

Dividing Decimals Loop Cards	
62.5	124 ÷ 0.8

Dividing Decimals Loop Cards	
155	1.21 ÷ 11

Dividing Decimals Loop Cards	
0.11	14.26 ÷ 2.3

Dividing Decimals Loop Cards	
6.2	0.65 ÷ 0.25

Dividing Decimals Loop Cards	
2.6	256 ÷ 3.2

Dividing Decimals Loop Cards	
80	52.5 ÷ 0.25

Dividing Decimals Loop Cards	
210	2.46 ÷ 4.1

Dividing Decimals Loop Cards	
0.6	0.405 ÷ 1.35

Dividing Decimals Loop Cards	
0.3	158 ÷ 0.4

Dividing Decimals Loop Cards	
395	End

Dividing Decimals Loop Cards	
Start	45.2 ÷ 4

Dividing Decimals Loop Cards	
11.3	92 ÷ 2.3

Dividing Decimals Loop Cards	
40	26.8 ÷ 0.2

Dividing Decimals Loop Cards	
134	6.5 ÷ 4

Dividing Decimals Loop Cards	
1.625	5.2 ÷ 13

Dividing Decimals Loop Cards	
0.4	70.2 ÷ 2.5

Dividing Decimals Loop Cards	
28.08	25.2 ÷ 1.2

Dividing Decimals Loop Cards	
21	21 ÷ 3.5

Dividing Decimals Loop Cards	
6	120 ÷ 2.4

Dividing Decimals Loop Cards	
50	102.2 ÷ 4

Dividing Decimals Loop Cards	
25.55	74 ÷ 2.5

Dividing Decimals Loop Cards	
29.6	68.4 ÷ 1.2

Dividing Decimals Loop Cards	
57	170 ÷ 3.2

Dividing Decimals Loop Cards	
53.125	65 ÷ 3.25

Dividing Decimals Loop Cards	
20	85.5 ÷ 2.25

Dividing Decimals Loop Cards	
38	6 ÷ 0.05

Dividing Decimals Loop Cards	
120	2.5 ÷ 1.6

Dividing Decimals Loop Cards	
1.5625	0.1 ÷ 0.2

Dividing Decimals Loop Cards	
0.5	45.5 ÷ 3.5

Dividing Decimals Loop Cards	
13	5 ÷ 0.08

Dividing Decimals Loop Cards	
62.5	124 ÷ 0.8

Dividing Decimals Loop Cards	
155	1.21 ÷ 11

Dividing Decimals Loop Cards	
0.11	14.26 ÷ 2.3

Dividing Decimals Loop Cards	
6.2	0.65 ÷ 0.25

Dividing Decimals Loop Cards	
2.6	256 ÷ 3.2

Dividing Decimals Loop Cards	
80	52.5 ÷ 0.25

Dividing Decimals Loop Cards	
210	2.46 ÷ 4.1

Dividing Decimals Loop Cards	
0.6	0.405 ÷ 1.35

Dividing Decimals Loop Cards	
0.3	158 ÷ 0.4

Dividing Decimals Loop Cards	
395	End

Dividing Decimals to Check Answers

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
20.2 ÷ 1.25	14.4	False	20.2 ÷ 1.25 = 16.16
7.92 ÷ 3.6	2.2		
5.64 ÷ 4.7	1.2		
4.92 ÷ 8.2	0.625		
0.51 ÷ 1.7	0.3		
14.72 ÷ 2.3	28		
6.88 ÷ 3.2	2		
91.7 ÷ 65.5	1.6		
1.426 ÷ 6.2	0.23		
4.984 ÷ 1.4	35.6		

Dividing Decimals to Check Answers **Answers**

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
20.2 ÷ 1.25	14.4	False	20.2 ÷ 1.25 = 16.16
7.92 ÷ 3.6	2.2	True	
5.64 ÷ 4.7	1.2	True	
4.92 ÷ 8.2	0.625	False	4.92 ÷ 8.2 = 0.6
0.51 ÷ 1.7	0.3	True	
14.72 ÷ 2.3	28	False	14.72 ÷ 2.3 = 6.4
6.88 ÷ 3.2	2	False	6.88 ÷ 3.2 = 2.15
91.7 ÷ 65.5	1.6	False	91.7 ÷ 65.5 = 1.4
1.426 ÷ 6.2	0.23	True	
4.984 ÷ 1.4	35.6	False	4.984 ÷ 1.4 = 3.56

Dividing Decimals to Check Answers

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
65 ÷ 2.5	162.5	False	65 ÷ 2.5 = 26
12 ÷ 0.8	1.5		
25 ÷ 0.2	50		
65.4 ÷ 8	8.175		
16.4 ÷ 4	4.4		
125 ÷ 0.4	500		
14.2 ÷ 5	2.82		
6.3 ÷ 6	1.2		
54 ÷ 0.4	135		
10 ÷ 0.25	40		

Dividing Decimals to Check Answers **Answers**

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
65 ÷ 2.5	162.5	False	65 ÷ 2.5 = 26
12 ÷ 0.8	1.5	False	12 ÷ 0.8 = 15
25 ÷ 0.2	50	False	25 ÷ 0.2 = 125
65.4 ÷ 8	8.175	True	
16.4 ÷ 4	4.4	False	16.4 ÷ 4 = 4.1
125 ÷ 0.4	500	False	125 ÷ 0.4 = 312.5
14.2 ÷ 5	2.82	False	14.2 ÷ 5 = 2.84
6.3 ÷ 6	1.2	False	6.3 ÷ 6 = 1.05
54 ÷ 0.4	135	True	
10 ÷ 0.25	40	True	

Dividing Decimals to Check Answers

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
30 ÷ 1.25	20	False	30 ÷ 1.25 = 24
5.2 ÷ 2.6	2		
101.6 ÷ 0.4	254		
15 ÷ 3.2	5		
10.2 ÷ 0.2	5.2		
2.4 ÷ 1.6	8		
20.4 ÷ 0.3	68		
6.5 ÷ 2.6	3		
1.4 ÷ 3.2	0.4375		
10.5 ÷ 2.5	5		

Dividing Decimals to Check Answers **Answers**

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
30 ÷ 1.25	20	False	30 ÷ 1.25 = 24
5.2 ÷ 2.6	2	True	
101.6 ÷ 0.4	254	True	
15 ÷ 3.2	5	False	15 ÷ 3.2 = 4.6875
10.2 ÷ 0.2	5.2	False	10.2 ÷ 0.2 = 51
2.4 ÷ 1.6	8	False	2.4 ÷ 1.6 = 1.5
20.4 ÷ 0.3	68	True	
6.5 ÷ 2.6	3	False	6.5 ÷ 2.6 = 2.5
1.4 ÷ 3.2	0.4375	True	
10.5 ÷ 2.5	5	False	10.5 ÷ 2.5 = 4.2

Dividing Decimals Worded Questions

Answer each of the following questions, remember to show your calculations.

1. Charlie has 660g of sweets in total. He wants to put them into jars. Each jar will hold 82.5g of sweets. How many jars would he need so there are no sweets left over?

2. Adam will pay for his car loan over 36 months. If the total amount of his loan is £5624.64, how much is each monthly payment?

3. If the total price for 6 adult tickets to the theatre is £218.40, what is the price for 1 adult ticket?

4. Steve saved part of his salary each month for 2 years. At the end of the 2 years he had £1348.80. Assuming Steve saved the same amount each time, how much did he save each month?

5. How long is each side of a square if the total perimeter is 49.6cm?

6. A 12 pack of coca cola costs £4.86. How much does an individual can cost?

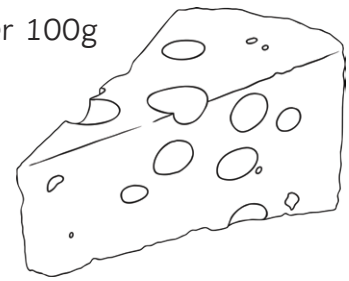
7. Kelly had 7.95m of string. She wanted to cut it into 0.32m lengths. How many complete lengths could she cut from the original piece of string?

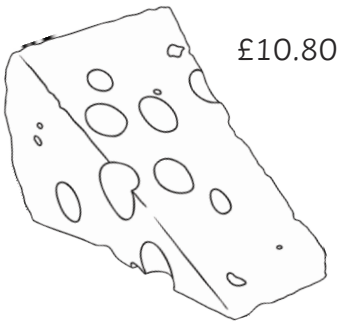
8. The Taylor family drove 286.5 miles on a family holiday. They used 38.2 litres of fuel. On average, how many miles did they get per litre of fuel?

9. Mr Phillips took 2.2 hours to run 13.2 miles. What was his average speed? Give your answer in mph.

10. In a supermarket, there are the following offers on cheese. Which represents the best value for money?

£2.49 per 100g





£10.80 per 0.45kg

Dividing Decimals Worded Questions **Answers**

1. 660g ÷ 82.5g = 8
   8 jars are needed.
2. £5624.64 ÷ 36 months = £156.24
   Adam will pay £156.24 each month.
3. £218.40 ÷ 6 adults = £36.40
   An adult ticket costs £36.40.
4. £1348.80 ÷ 24 months = £56.20.
   Steve saved £56.20 from his salary each month.
5. 49.6cm ÷ 4 sides = 12.4cm.
   Each side of the square is 12.4cm.
6. £4.86 ÷ 12 cans = £0.405
   Each individual can costs £0.405 or 40.5p.
7. 7.95m ÷ 0.32m = 24.84375
   Kelly can cut 24 pieces of string.
8. 286.5 miles ÷ 38.2 litres = 7.5 miles.
   They got 7.5 miles per litre of fuel.
9. 13.2 miles ÷ 2.2 hours = 6mph
   Mr Phillips' average speed was 6mph.
10. £2.49 ÷ 100g = £0.0249/g or 2.49p/g
    £10.80 ÷ 450g = £0.024/g or 2.4p/g
    The second offer represents better value for money.

Multiplying and Dividing Decimals

Answer each of the following questions, remember to show your calculations.

1. 1.05 × 0.6

2. 9.23 × 1.8

3. 58.6 ÷ 0.04

4. 6.11 ÷ 2.35

5. 10.2 × 0.05

6. 85.2 ÷ 0.03

7. 3.95 × 2.2

8. 4.78 × 1.5

9. 71.3 ÷ 11.5

10. 24.2785 ÷ 2.95

Multiplying and Dividing Decimals **Answers**

1. 0.63
2. 16.614
3. 1465
4. 2.6
5. 0.51
6. 2840
7. 8.69
8. 7.17
9. 6.2
10. 8.23

Multiplying and Dividing Decimals

Answer each of the following questions, remember to show your calculations.

1. 42 × 1.4

2. 22 × 0.8

3. 58.6 ÷ 4

4. 62.8 ÷ 8

5. 2.4 × 12

6. 85.2 ÷ 3

7. 11.2 × 4

8. 3.2 × 15

9. 42 ÷ 2.4

10. 82 ÷ 1.6

Multiplying and Dividing Decimals **Answers**

1. 58.8
2. 17.6
3. 14.65
4. 7.85
5. 28.8
6. 28.4
7. 44.8
8. 48
9. 17.5
10. 51.25

Multiplying and Dividing Decimals

Answer each of the following questions, remember to show your calculations.

1. 2.4 × 3.6

2. 4.6 × 1.5

3. 26.4 ÷ 2.4

4. 8 ÷ 2.5

5. 6.2 × 1.8

6. 5.8 ÷ 1.6

7. 6.2 × 1.7

8. 11.4 × 2.2

9. 0.4 × 4.5

10. 58.7 ÷ 2.5

Multiplying and Dividing Decimals **Answers**

1. 8.64
2. 6.9
3. 11
4. 3.2
5. 11.16
6. 3.625
7. 10.54
8. 25.08
9. 1.8
10. 23.48

Multiplying and Dividing Decimals Loop Cards	
Start	0.6 × 0.3

Multiplying and Dividing Decimals Loop Cards	
0.18	5.2 × 1.12

Multiplying and Dividing Decimals Loop Cards	
5.824	55 ÷ 2.5

Multiplying and Dividing Decimals Loop Cards	
22	62.6 ÷ 4

Multiplying and Dividing Decimals Loop Cards	
15.65	4.9 × 1.2

Multiplying and Dividing Decimals Loop Cards	
5.88	102.4 ÷ 0.4

Multiplying and Dividing Decimals Loop Cards	
256	3.45 ÷ 2.3

Multiplying and Dividing Decimals Loop Cards	
1.5	0.8 × 0.09

Multiplying and Dividing Decimals
Loop Cards

0.072

76 ÷ 3.8

Multiplying and Dividing Decimals
Loop Cards

20

0.36 × 0.03

Multiplying and Dividing Decimals
Loop Cards

0.0108

0.15 × 0.3

Multiplying and Dividing Decimals
Loop Cards

0.045

102 ÷ 6.8

Multiplying and Dividing Decimals
Loop Cards

15

15.2 × 9.2

Multiplying and Dividing Decimals
Loop Cards

139.84

0.54 ÷ 0.6

Multiplying and Dividing Decimals
Loop Cards

0.9

6.5 × 7.2

Multiplying and Dividing Decimals
Loop Cards

46.8

310 ÷ 0.02

Multiplying and Dividing Decimals Loop Cards	
15 500	5.6 × 9.1

Multiplying and Dividing Decimals Loop Cards	
50.96	36 ÷ 0.02

Multiplying and Dividing Decimals Loop Cards	
1800	112.1 × 1.01

Multiplying and Dividing Decimals Loop Cards	
113.221	6.8 ÷ 3.4

Multiplying and Dividing Decimals Loop Cards	
2	4.2 × 1.8

Multiplying and Dividing Decimals Loop Cards	
7.56	65.2 ÷ 8

Multiplying and Dividing Decimals Loop Cards	
8.15	0.5 × 0.65

Multiplying and Dividing Decimals Loop Cards	
0.325	0.2 ÷ 0.4

Multiplying and Dividing Decimals Loop Cards	
0.5	12 × 10.2

Multiplying and Dividing Decimals Loop Cards	
122.4	0.36 ÷ 9

Multiplying and Dividing Decimals Loop Cards	
0.04	3.56 ÷ 0.04

Multiplying and Dividing Decimals Loop Cards	
89	15 × 0.02

Multiplying and Dividing Decimals Loop Cards	
0.3	68 ÷ 3.2

Multiplying and Dividing Decimals Loop Cards	
21.25	End

Multiplying and Dividing Decimals
Loop Cards

Multiplying and Dividing Decimals
Loop Cards

Multiplying and Dividing Decimals Loop Cards	
Start	0.6 × 0.3

Multiplying and Dividing Decimals Loop Cards	
0.18	5.2 × 1.12

Multiplying and Dividing Decimals Loop Cards	
5.824	55 ÷ 2.5

Multiplying and Dividing Decimals Loop Cards	
22	62.6 ÷ 4

Multiplying and Dividing Decimals Loop Cards	
15.65	4.9 × 1.2

Multiplying and Dividing Decimals Loop Cards	
5.88	102.4 ÷ 0.4

Multiplying and Dividing Decimals Loop Cards	
256	3.45 ÷ 2.3

Multiplying and Dividing Decimals Loop Cards	
1.5	0.8 × 0.09

Multiplying and Dividing Decimals
Loop Cards

0.072

76 ÷ 3.8

Multiplying and Dividing Decimals
Loop Cards

20

0.36 × 0.03

Multiplying and Dividing Decimals
Loop Cards

0.0108

0.15 × 0.3

Multiplying and Dividing Decimals
Loop Cards

0.045

102 ÷ 6.8

Multiplying and Dividing Decimals
Loop Cards

15

15.2 × 9.2

Multiplying and Dividing Decimals
Loop Cards

139.84

0.54 ÷ 0.6

Multiplying and Dividing Decimals
Loop Cards

0.9

6.5 × 7.2

Multiplying and Dividing Decimals
Loop Cards

46.8

310 ÷ 0.02

Multiplying and Dividing Decimals Loop Cards

15 500

Multiplying and Dividing Decimals Loop Cards

5.6 × 9.1

Multiplying and Dividing Decimals Loop Cards

50.96

Multiplying and Dividing Decimals Loop Cards

36 ÷ 0.02

Multiplying and Dividing Decimals Loop Cards

1800

Multiplying and Dividing Decimals Loop Cards

112.1 × 1.01

Multiplying and Dividing Decimals Loop Cards

113.221

Multiplying and Dividing Decimals Loop Cards

6.8 ÷ 3.4

Multiplying and Dividing Decimals Loop Cards

2

Multiplying and Dividing Decimals Loop Cards

4.2 × 1.8

Multiplying and Dividing Decimals Loop Cards

7.56

Multiplying and Dividing Decimals Loop Cards

65.2 ÷ 8

Multiplying and Dividing Decimals Loop Cards

8.15

Multiplying and Dividing Decimals Loop Cards

0.5 × 0.65

Multiplying and Dividing Decimals Loop Cards

0.325

Multiplying and Dividing Decimals Loop Cards

0.2 ÷ 0.4

Multiplying and Dividing Decimals
Loop Cards

0.5

12 × 10.2

Multiplying and Dividing Decimals
Loop Cards

122.4

0.36 ÷ 9

Multiplying and Dividing Decimals
Loop Cards

0.04

3.56 ÷ 0.04

Multiplying and Dividing Decimals
Loop Cards

89

15 × 0.02

Multiplying and Dividing Decimals
Loop Cards

0.3

68 ÷ 3.2

Multiplying and Dividing Decimals
Loop Cards

21.25

End

Multiplying and Dividing Decimals
Loop Cards

Multiplying and Dividing Decimals
Loop Cards

Multiplying and Dividing Decimals to Check Answers

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
9.4 ÷ 3.2	3	False	9.4 ÷ 3.2 = 2.9375
2.02 × 3.5	7		
0.04 × 1.15	0.046		
12.6 ÷ 0.02	6		
0.06 × 0.3	18		
24.82 ÷ 1.6	15.5125		
16.2 × 0.05	0.81		
8.48 ÷ 3.2	2.8		
19.78 ÷ 9.2	2.15		
2.12 × 4.5	0.47		

Multiplying and Dividing Decimals to Check Answers **Answers**

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
9.4 ÷ 3.2	3	False	9.4 ÷ 3.2 = 2.9375
2.02 × 3.5	7	False	2.02 × 3.5 = 7.07
0.04 × 1.15	0.046	True	
12.6 ÷ 0.02	6	False	12.6 ÷ 0.02 = 630
0.06 × 0.3	18	False	0.06 × 0.3 = 0.018
24.82 ÷ 1.6	15.5125	True	
16.2 × 0.05	0.81	True	
8.48 ÷ 3.2	2.8	False	8.48 ÷ 3.2 = 2.65
19.78 ÷ 9.2	2.15	True	
2.12 × 4.5	0.47	False	2.12 × 4.5 = 9.54

Multiplying and Dividing Decimals to Check Answers

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
18 ÷ 2.4	9.2	False	18 ÷ 2.4 = 7.5
13 × 0.7	9.1		
22 ÷ 0.2	11		
5 × 1.2	6		
1.2 ÷ 6	2		
11 × 1.3	14.3		
9 ÷ 0.4	2.5		
8 ÷ 1.6	2		
0.5 × 119	59.5		
2.3 × 20	40.6		

Multiplying and Dividing Decimals to Check Answers **Answers**

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
18 ÷ 2.4	9.2	False	18 ÷ 2.4 = 7.5
13 × 0.7	9.1	True	
22 ÷ 0.2	11	False	22 ÷ 0.2 = 110
5 × 1.2	6	True	
1.2 ÷ 6	2	False	1.2 ÷ 6 = 0.2
11 × 1.3	14.3	True	
9 ÷ 0.4	2.5	False	9 ÷ 0.4 = 22.5
8 ÷ 1.6	2	False	8 ÷ 1.6 = 5
0.5 × 119	59.5	True	
2.3 × 20	40.6	False	2.3 × 20 = 46

Multiplying and Dividing Decimals to Check Answers

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
1.9 × 2.5	47.5	False	1.9 × 2.5 = 4.75
5.2 ÷ 0.4	0.13		
1.5 × 1.2	1.08		
9.3 × 0.2	1.86		
1.8 ÷ 0.4	0.45		
0.6 ÷ 0.8	0.75		
28.2 ÷ 1.6	17.625		
0.6 × 2.1	1.05		
12.4 ÷ 0.8	15		
3.6 × 5.8	20.88		

Multiplying and Dividing Decimals to Check Answers **Answers**

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
1.9 × 2.5	47.5	False	1.9 × 2.5 = 4.75
5.2 ÷ 0.4	0.13	False	5.2 ÷ 0.4 = 13
1.5 × 1.2	1.08	False	1.5 × 1.2 = 1.8
9.3 × 0.2	1.86	True	
1.8 ÷ 0.4	0.45	False	1.8 ÷ 0.4 = 4.5
0.6 ÷ 0.8	0.75	True	
28.2 ÷ 1.6	17.625	True	
0.6 × 2.1	1.05	False	0.6 × 2.1 = 1.26
12.4 ÷ 0.8	15	False	12.4 ÷ 0.8 = 15.5
3.6 × 5.8	20.88	True	

Multiplying and Dividing Decimals Worded Questions

Answer each of the following questions, remember to show your calculations.

1. Mrs Turner swims 25 lengths every morning. Each length is 0.025km long. How far does Mrs Turner swim in total each morning? Give your answer in metres.

2. Train tickets cost £7.93. How much would 4 train tickets cost?

3. There are 2.54cm in one inch. How many inches are there in 63.5cm?

4. There are 5 people in the lift. The combined weight of these 5 people is 420.01 kg. What is the mean weight of a person?

5. A football shirt costs £42.99. A five-a-side team need to buy a new shirt for each of its players, how much will it cost them?

6. Tickets for a show cost £24.95. How much do 8 tickets cost?

7. Rufus saved £1.15 every day for a year. Assuming there are 365 days in a year, how much did Rufus save?

8. The temperature was recorded at 5 points throughout the day. The 5 temperatures were 11.2°C, 15.4°C, 19.1°C, 22.6°C and 20.5°C. What is the mean temperature of these readings?

9. My bottle of medicine contains 175.5ml. I take 5ml in each dose. How many full doses are in the bottle?

10. Olivia has 5.75kg of coffee. She places the coffee in 0.25kg bags with none left over. How many bags will she need?

Multiplying and Dividing Decimals Worded Questions **Answers**

1. 25 × 0.025km = 0.625km
   0.625km × 1000 = 625m
   Mrs Turner swims 625m every morning.

2. £7.93 × 4 = £31.72
   4 train tickets cost £31.72.

3. 63.5cm ÷ 2.54cm = 25cm
   There are 25 inches in 63.5cm

4. 420.01kg ÷ 5 = 84.002kg.
   The average weight of 1 person is 84.002kg.

5. £42.99 × 5 = £214.95.
   It will cost the team £214.95 to buy 5 football shirts.

6. £24.95 × 8 = £199.60
   8 tickets will cost £199.60.

7. £1.15 × 365 = £419.75
   Rufus saved £419.75 in a year.

8. 11.2°C + 15.4°C + 19.1°C + 22.6°C + 20.5°C = 88.8°C
   88.8°C ÷ 5 = 17.76°C
   The mean temperature is 17.76°C.

9. 175.5ml ÷ 5ml = 35.1
   There are 35 full doses in the bottle.

10. 5.75kg ÷ 0.25kg = 23
    Olivia will need 23 bags.

Multiplying Decimals

Answer each of the following questions, remember to show your calculations.

1. 4.2 × 11.4

2. 5.6 × 21.4

3. 14.9 × 3.7

4. 2.15 × 0.5

5. 4.82 × 7.4

6. 1.56 × 2.92

7. 8.92 × 1.73

8. 10.22 × 4.03

9. 52.69 × 0.04

10. 46.92 × 0.03

Multiplying Decimals **Answers**

1. 47.88
2. 119.84
3. 55.13
4. 1.075
5. 35.668
6. 4.5552
7. 15.4316
8. 41.1866
9. 2.1076
10. 1.4076

Multiplying Decimals

Answer each of the following questions, remember to show your calculations.

1. 5 × 0.4

2. 6 × 0.2

3. 11 × 0.7

4. 1.2 × 14

5. 2.8 × 12

6. 4.7 × 7

7. 5 × 3.9

8. 15 × 5.3

9. 5.6 × 98

10. 3.9 × 101

Multiplying Decimals **Answers**

1. 2
2. 1.2
3. 7.7
4. 16.8
5. 33.6
6. 32.9
7. 19.5
8. 79.5
9. 548.8
10. 393.9

Multiplying Decimals

Answer each of the following questions, remember to show your calculations.

1. 6 × 1.25

2. 5 × 4.32

3. 2 × 6.12

4. 15.2 × 5

5. 9.8 × 7

6. 1.2 × 3.2

7. 4.8 × 2.4

8. 6.5 × 3.9

9. 7.2 × 1.4

10. 2.8 × 101.5

Multiplying Decimals **Answers**

1. 7.5
2. 21.6
3. 12.24
4. 76
5. 68.6
6. 3.84
7. 11.52
8. 25.35
9. 10.08
10. 284.2

Multiplying Decimals Loop Cards	
Start	5 × 0.2

Multiplying Decimals Loop Cards	
1	0.5 × 0.4

Multiplying Decimals Loop Cards	
0.2	6.7 × 4.8

Multiplying Decimals Loop Cards	
32.16	0.2 × 0.3

Multiplying Decimals Loop Cards	
0.06	6 × 0.15

Multiplying Decimals Loop Cards	
0.9	0.56 × 0.12

Multiplying Decimals Loop Cards	
0.0672	1.9 × 4.7

Multiplying Decimals Loop Cards	
8.93	0.4 × 0.09

Multiplying Decimals Loop Cards	
0.036	4.2 × 9

Multiplying Decimals Loop Cards	
37.8	11 × 0.2

Multiplying Decimals Loop Cards	
2.2	0.02 × 0.1

Multiplying Decimals Loop Cards	
0.002	101.6 × 3

Multiplying Decimals Loop Cards	
304.8	53.2 × 11.4

Multiplying Decimals Loop Cards	
606.48	61.35 × 2.8

Multiplying Decimals Loop Cards	
171.78	72.4 × 3

Multiplying Decimals Loop Cards	
217.2	0.06 × 0.02

Multiplying Decimals Loop Cards	
0.0012	92.5 × 1.15

Multiplying Decimals Loop Cards	
106.375	3.49 × 5.12

Multiplying Decimals Loop Cards	
17.8688	0.5 × 4

Multiplying Decimals Loop Cards	
2	51.2 × 3.9

Multiplying Decimals Loop Cards	
199.68	0.2 × 0.12

Multiplying Decimals Loop Cards	
0.024	7.8 × 7

Multiplying Decimals Loop Cards	
54.6	0.46 × 0.3

Multiplying Decimals Loop Cards	
0.138	1.2 × 0.9

Multiplying Decimals Loop Cards	
1.08	11.2 × 6

Multiplying Decimals Loop Cards	
67.2	3.6 × 0.4

Multiplying Decimals Loop Cards	
1.44	8.4 × 0.5

Multiplying Decimals Loop Cards	
4.2	114.2 × 8

Multiplying Decimals Loop Cards	
913.6	7.2 × 1.4

Multiplying Decimals Loop Cards	
10.08	End

Multiplying Decimals Loop Cards

Start

5 × 0.2

Multiplying Decimals Loop Cards

1

0.5 × 0.4

Multiplying Decimals Loop Cards

0.2

6.7 × 4.8

Multiplying Decimals Loop Cards

32.16

0.2 × 0.3

Multiplying Decimals Loop Cards

0.06

6 × 0.15

Multiplying Decimals Loop Cards

0.9

0.56 × 0.12

Multiplying Decimals Loop Cards

0.0672

1.9 × 4.7

Multiplying Decimals Loop Cards

8.93

0.4 × 0.09

Multiplying Decimals Loop Cards	
0.036	4.2 × 9

Multiplying Decimals Loop Cards	
37.8	11 × 0.2

Multiplying Decimals Loop Cards	
2.2	0.02 × 0.1

Multiplying Decimals Loop Cards	
0.002	101.6 × 3

Multiplying Decimals Loop Cards	
304.8	53.2 × 11.4

Multiplying Decimals Loop Cards	
606.48	61.35 × 2.8

Multiplying Decimals Loop Cards	
171.78	72.4 × 3

Multiplying Decimals Loop Cards	
217.2	0.06 × 0.02

Multiplying Decimals Loop Cards	
0.0012	92.5 × 1.15

Multiplying Decimals Loop Cards	
106.375	3.49 × 5.12

Multiplying Decimals Loop Cards	
17.8688	0.5 × 4

Multiplying Decimals Loop Cards	
2	51.2 × 3.9

Multiplying Decimals Loop Cards	
199.68	0.2 × 0.12

Multiplying Decimals Loop Cards	
0.024	7.8 × 7

Multiplying Decimals Loop Cards	
54.6	0.46 × 0.3

Multiplying Decimals Loop Cards	
0.138	1.2 × 0.9

Multiplying Decimals Loop Cards	
1.08	11.2 × 6

Multiplying Decimals Loop Cards	
67.2	3.6 × 0.4

Multiplying Decimals Loop Cards	
1.44	8.4 × 0.5

Multiplying Decimals Loop Cards	
4.2	114.2 × 8

Multiplying Decimals Loop Cards	
913.6	7.2 × 1.4

Multiplying Decimals Loop Cards	
10.08	End

Multiplying Decimals to Check Answers

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
1.15 × 2.5	2.3	False	1.15 × 2.5 = 2.875
9.02 × 1.1	9.922		
0.04 × 9.5	38		
1.25 × 3.6	5.4		
19.2 × 0.02	3.8		
1.08 × 2.15	2.322		
5.31 × 1.6	8.496		
20.8 × 0.92	21		
14.4 × 1.35	19.44		
15.5 × 0.95	16		

Multiplying Decimals to Check Answers **Answers**

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
1.15 × 2.5	2.3	False	1.15 × 2.5 = 2.875
9.02 × 1.1	9.922	True	
0.04 × 9.5	38	False	0.04 × 9.5 = 0.38
1.25 × 3.6	5.4	False	1.25 × 3.6 = 4.5
19.2 × 0.02	3.8	False	19.2 × 0.02 = 0.384
1.08 × 2.15	2.322	True	
5.31 × 1.6	8.496	True	
20.8 × 0.92	21	False	20.8 × 0.92 = 19.136
14.4 × 1.35	19.44	True	
15.5 × 0.95	16	False	15.5 × 0.95 = 14.725

Multiplying Decimals to Check Answers

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
5 × 1.4	70	False	5 × 1.4 = 7
11 × 2.2	22		
4.2 × 6	25		
1.1 × 8	8.8		
32 × 0.4	8		
12 × 3.5	42		
0.9 × 17	17.9		
14.2 × 5	71		
64 × 0.2	32		
27 × 1.3	35.1		

Multiplying Decimals to Check Answers **Answers**

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
5 × 1.4	70	False	5 × 1.4 = 7
11 × 2.2	22	False	11 × 2.2 = 24.2
4.2 × 6	25	False	4.2 × 6 = 25.2
1.1 × 8	8.8	True	
32 × 0.4	8	False	32 × 0.4 = 12.8
12 × 3.5	42	True	
0.9 × 17	17.9	False	0.9 × 17 = 15.3
14.2 × 5	71	True	
64 × 0.2	32	False	64 × 0.2 = 12.8
27 × 1.3	35.1	True	

Multiplying Decimals to Check Answers

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
1.4 × 0.3	42	False	1.4 × 0.3 = 0.42
5.6 × 1.2	6.72		
101.4 × 0.5	200		
8.4 × 0.9	9.3		
3.4 × 1.9	6.46		
1.7 × 1.1	1.71		
4.3 × 2.1	8.4		
0.6 × 2.6	15.6		
5.9 × 1.3	7.67		
7.2 × 0.7	5.04		

Multiplying Decimals to Check Answers **Answers**

Evaluate each of the following questions to decide whether the answer is true or false. If the answer is incorrect, you will need to give the correct answer.

The first question has been completed for you.

Question	Answer	True or False	Correct Answer
1.4 × 0.3	42	False	1.4 × 0.3 = 0.42
5.6 × 1.2	6.72	True	
101.4 × 0.5	200	False	101.4 × 0.5 = 50.7
8.4 × 0.9	9.3	False	8.4 × 0.9 = 7.56
3.4 × 1.9	6.46	True	
1.7 × 1.1	1.71	False	1.7 × 1.1 = 1.87
4.3 × 2.1	8.4	False	4.3 × 2.1 = 9.03
0.6 × 2.6	15.6	False	0.6 × 2.6 = 1.56
5.9 × 1.3	7.67	True	
7.2 × 0.7	5.04	True	

Multiplying Decimals Worded Questions

Answer each of the following questions - remember to show your calculations.

1. The mass of one box is 20.25kg. What is the mass of 500 of these boxes?

2. Jerry bought five boxes of nails for £4.58 each and seven boxes of screws for £2.86 each. How much change will Jerry receive from £50?

3. Max's wage is £8.50 per hour. Max's shift is 6 hours. The 6 hours includes a 30-minute unpaid break. How much will he earn in one shift?

4. Adam plays 14 computer games. He scores 9.2 points in each game. How many points did he score altogether?

5. Miss Wilkinson drives 2.4 miles to school. She also drives the same route home. How many miles does she drive in total over 15 days (if she only drives to and from school)?

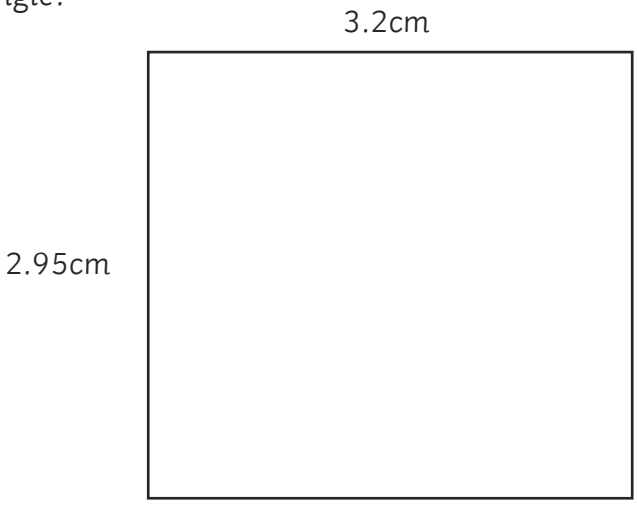
6. Emily draws a square. Each side is 12.9cm. What is the perimeter of the square?

7. Amber measures rainfall over $5\frac{1}{2}$ months. The rainfall is 1.2cm each month. How much rain fell over the $5\frac{1}{2}$ months?

8. If I run 3.75 miles every day for 60 days, how many miles would I run in total?

9. Harry's car holds 42.5 litres of fuel. If each litre costs £1.12, how much would it cost to fill the tank from empty?

10. What is the area of the following rectangle?



Multiplying Decimals Worded Questions **Answers**

1. 500 boxes × 20.25kg = 10 125kg
   The total weight of 500 boxes is 10 125kg.

2. 5 boxes × £4.58 = £22.90
   7 boxes × £2.86 = £20.02
   £22.90 + £20.02 = £42.92
   £50.00 – £42.92 = £7.08
   The change from £50 is £7.08.

3. £8.50 × 6 hours = £51
   £51.00 – £4.25 = £46.75
   or
   £8.50 × 5.5 = £46.75
   Max will earn £46.75 in one shift.

4. 14 games × 9.2 points = 128.8
   Adam scored 128.8 points altogether.

5. 2.4 miles × 2 = 4.8 miles each day.
   4.8 miles × 15 = 72 miles
   or
   2.4 miles × 15 = 36 miles driving to school.
   2.4 miles × 15 = 36 miles driving home from school.
   36 miles + 36 miles = 72 miles over 15 days.
   Miss Wilkinson drove 72 miles over 15 days.

6. 12.9cm × 4 = 51.6cm.
   The perimeter of the square is 51.6cm.

7. 5.5 × 1.2cm = 6.6cm.
   The rainfall over 5 $\frac{1}{2}$ months was 6.6cm.

8. 3.75 miles × 60 days = 225 miles.
   I would run 225 miles in total.

9. 42.5 litres × £1.12 = £47.60
   It would cost Harry £47.60 to fill the tank up.

10. 2.95cm × 3.2cm = 9.44cm^2