

Name:

Exam Style Questions

## Decimals: Multiplication and Division



Equipment needed: Pen

### Guidance

1. Read each question carefully before you begin answering it.
2. Check your answers seem right.
3. Always show your workings

Video Tutorial

[www.corbettmaths.com/contents](http://www.corbettmaths.com/contents)

Videos 92, 93, 94



Answers and Video Solutions



1. Work out  $7.28 \times 2$



.....  
(1)

---

2. Work out  $1.9 \times 3$



.....  
(1)

---

3. Work out  $8.47 \times 5$



.....  
(1)

---

4. Work out  $1.6 \div 2$



.....  
(1)

5. Work out  $0.9 \div 3$



.....  
(1)

---

6. A piece of string is 4.8m long.



The string is cut into 8 pieces of equal length.

Work out how long each piece is.

.....m  
(2)

---

7. Circle the answer to  $40 \times 0.3$



1200

120

12

1.2

(1)

---

8. Work out  $9.35 \div 5$



.....  
(2)

9. Work out  $1055.16 \div 9$



.....  
(2)

---

10. Work out



(a)  $0.3 \times 0.2$

.....  
(1)

(b)  $0.8 \times 1.2$

.....  
(2)

---

11. Work out



(a)  $5.18 \div 7$

.....  
(2)

(b)  $16.44 \div 0.3$

.....  
(2)

12. Work out



(a)  $0.3 \times 0.3$

.....  
(1)

(b)  $0.06 \times 0.4$

.....  
(1)

(c)  $1.9 \times 1.2$

.....  
(2)

(d)  $12.4 \times 0.7$

.....  
(2)

(e)  $75.2 \times 0.23$

.....  
(2)

13. Work out



(a)  $120 \div 0.3$

.....  
(1)

(b)  $14.04 \div 6$

.....  
(2)

(c)  $0.845 \div 5$

.....  
(2)

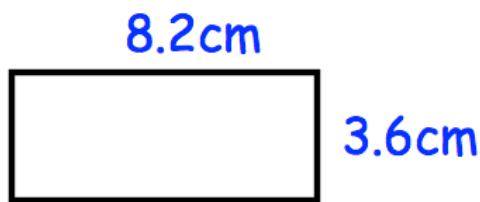
(d)  $1.72 \div 0.8$

.....  
(2)

(e)  $5 \div 0.04$

.....  
(2)

14. Shown below is a rectangle.



Find the area of the rectangle.  
Include units.

.....  
(3)

15. State whether each answer is more than 20 or less than 20.  
Write "more than" or "less than" for each.



(a)  $20 \times 0.8$

.....

(b)  $20 \div 0.8$

.....

(c)  $0.2 \times 200$

.....

(d)  $0.2 \div 200$

.....  
(2)

16. You are given that  $358 \times 26 = 9308$



Use this information to find the answers to

(a)  $3580 \times 260$

.....  
(1)

(b)  $3.58 \times 2.6$

.....  
(1)

(c)  $3580 \times 0.26$

.....  
(1)

(d)  $93080 \div 2.6$

.....  
(1)

(e)  $358 \times 52$

.....  
(2)



17. You are given that  $29 \times 1374 = 39846$



Use this information to find the answers to

(a)  $39846 \div 29$

.....  
(1)

(b)  $2.9 \times 13.74$

.....  
(1)

(c)  $0.29 \times 13740$

.....  
(1)

(d)  $398.46 \div 1.374$

.....  
(1)

(e)  $58 \times 1374$

.....  
(2)

18. Mrs Webb has a roll of ribbon that is 44.1m long.  
She needs strips of ribbon that are 2.5m long



How many 2.5m strips will Mrs Webb get from the roll?

.....  
(3)

19. Alison changes £16 into US dollars.  
The exchange rate is £1 to \$1.40



How many US dollars does Alison receive?

\$.....  
(2)

20. In a shop, garden gnomes cost £6.79 each.



Work out the cost of 5 garden gnomes.

£.....  
(2)

21. Work out



(a)  $0.2 \times 0.1$

.....  
(1)

(b)  $0.7^2$

.....  
(1)

(c)  $0.2^3$

.....  
(2)

---

22. Scott has a rope 8 metres long.

He says, "I need 9 pieces each 0.89 metres long."



Will Scott have enough rope?  
Explain your answer.

(3)

23. Work out



$$\frac{4}{0.08}$$

.....  
(2)

24. Shown below is a rectangle.



The area of the rectangle is  $17.92\text{cm}^2$   
Find  $y$ .

.....  
(2)

25. Shown below is a 2 pence coin.



0.185cm

Each 2 pence coin is 0.185cm thick.  
Stephen builds a tower of 250 2p coins.

How tall is the tower?

.....  
(3)

26. Work out  $72.8 \times 6.3$



.....  
(3)

27. (a) Work out  $2.59 \times 4.8$



.....  
(3)

(b) Work out  $35.28 \div 1.8$

.....  
(3)

---

28. Work out  $0.006 \times 0.42$



.....  
(2)

29. Work out  $9.51 \div 0.15$



.....  
(3)

---

30. Work out  $0.69 \times 0.34$



.....  
(3)

31. A plant grows at a rate of 3cm each week.



- (a) After how many weeks does it take the plant to grow from a height of 70cm to a height of 1.24m?

.....  
(3)

- (b) If the rate that the plant grows is less than 3cm each week, what effect will that have on your answer to part (a)?

.....  
.....  
.....  
(1)

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32. Work out  $60.08 - 5.58 \div 0.2$



.....  
(3)



33. When full, the water in Kezia's swimming pool has a depth of 1.6m



Kezia starts to empty the swimming pool.

The depth of the pool decreases by 7.5cm each minute.

(a) Assume that the depth of the water continues to decrease at the same rate.

After how many minutes will the depth of the water in the swimming pool reach 40cm?

.....  
(3)

(b) In fact, the depth of water decreases at a faster rate.

How does this affect your answer to part (a)?

.....  
.....  
.....  
(1)