

Name:

Exam Style Questions
Multiply & Divide by
10, 100, 1000 etc



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

Videos 99, 100, 202, 203



Answers and Video Solutions



1. Work out



(a) 8×10

$$\begin{array}{r} 80 \\ \hline \end{array} \quad (1)$$

(b) 6×100

$$\begin{array}{r} 600 \\ \hline \end{array} \quad (1)$$

(c) 1000×17

$$\begin{array}{r} 17000 \\ \hline \end{array} \quad (1)$$

(d) 3.4×10

$$\begin{array}{r} 34 \\ \hline \end{array} \quad (1)$$

(e) 0.2×100

$$\begin{array}{r} 20 \\ \hline \end{array} \quad (1)$$

(f) 49.1×1000

$$\begin{array}{r} 49100 \\ \hline \end{array} \quad (1)$$

2. Work out



(a) $70 \div 10$

$$\begin{array}{r} 7 \\ \hline \end{array} \quad (1)$$

(b) $6000 \div 100$

$$\begin{array}{r} 60 \\ \hline \end{array} \quad (1)$$

(c) $17 \div 10$

$$\begin{array}{r} 1.7 \\ \hline \end{array} \quad (1)$$

(d) $93 \div 100$

$$\begin{array}{r} 0.93 \\ \hline \end{array} \quad (1)$$

(e) $28900 \div 1000$

$$\begin{array}{r} 28.9 \\ \hline \end{array} \quad (1)$$

(f) $0.84 \div 10$

$$\begin{array}{r} 0.084 \\ \hline \end{array} \quad (1)$$

3. An egg box can hold 10 eggs.
How many eggs are there in 45 full boxes?



$$45 \times 10 = 450$$

.....450.....eggs
(1)

4. Jacob is paid £10 an hour to deliver newspapers.
His monthly pay for October was £380



How many hours did hours did Jacob work in October?

$$380 \div 10 = 38$$

.....38.....hours
(1)

5. Shown below are some questions and answers.



$200 \div 10$	0.2
$0.2 \div 10$	20
0.2×10	2
$2 \div 10$	0.02
$2 \div 1000$	0.002

Match the correct questions and answers.
The first one has been completed for you.

(3)

6. Fill in the missing numbers



(a)

$$85 \times \boxed{100} = 8500$$

(1)

(b)

$$\boxed{0.4} \times 1000 = 400$$

(1)

(c)

$$\boxed{45.71} \times 10 = 457.1$$

(1)

(d)

$$1900 \div \boxed{100} = 19$$

(1)

(e)

$$\boxed{0.5} \div 10 = 0.05$$

(1)

(f)

$$94000 \div \boxed{1000} = 94$$

(1)

7.



(a) Work out 942×10

$$\begin{array}{r} 9420 \\ \hline \end{array} \quad (1)$$

(b) Write down the value of the digit 4 in the answer to (a)

$$\begin{array}{r} 400 \\ \hline \end{array} \quad (1)$$

8.



Write down the value of the digit 3 in the answer 931×100

$$93100$$

$$\begin{array}{r} \dots\dots 3000 \dots\dots \\ \hline \end{array} \quad (2)$$

9. Write down the value of the digit 5 in the answer $125000 \div 100$



$$1250$$

$$\begin{array}{r} 50 \\ \hline \end{array} \quad (2)$$

10. Work out twenty thousand divided by one million



$$20000 \div 1000000$$

0.02

.....
(2)

11. A coffee shop sells cups of coffee in 0.4 litre cups.
In one day they sell 10000 cups of coffee.



How many litres of coffee do they sell?

$$0.4 \times 10000 = 4000$$

4000 litres

.....
(2)

12. Carly needs 42000 blocks of Lego to build a large castle.
The lego blocks are sold in boxes of 100.



How many boxes of lego does she need?

$$42000 \div 100$$

420

.....
(1)

13. Work out



(a) 23×10^2

$$23 \times 100$$

$$\begin{array}{r} 2300 \\ \hline \end{array} \quad (2)$$

(b) 7×10^3

$$7 \times 1000$$

$$\begin{array}{r} 7000 \\ \hline \end{array} \quad (2)$$

(c) 2.5×10^3

$$2.5 \times 1000$$

$$\begin{array}{r} 2500 \\ \hline \end{array} \quad (2)$$

(d) 1.8×10^4

$$1.8 \times 10000$$

$$\begin{array}{r} 18000 \\ \hline \end{array} \quad (2)$$

(e) 0.2×10^2

$$0.2 \times 100$$

$$\begin{array}{r} 20 \\ \hline \end{array} \quad (2)$$

(f) 0.0006×10^2

$$0.0006 \times 100$$

$$\begin{array}{r} 0.06 \\ \hline \end{array} \quad (2)$$

14. Work out



(a) $4000 \div 10^2$

$$4000 \div 100$$

$$\begin{array}{r} 40 \\ \hline \end{array} \quad (2)$$

(b) $25000 \div 10^3$

$$25000 \div 1000$$

$$\begin{array}{r} 25 \\ \hline \end{array} \quad (2)$$

(c) $170 \div 10^2$

$$170 \div 100$$

$$\begin{array}{r} 1.7 \\ \hline \end{array} \quad (2)$$

(d) $9300 \div 10^4$

$$9300 \div 10000$$

$$\begin{array}{r} 0.93 \\ \hline \end{array} \quad (2)$$

(e) $98 \div 10^2$

$$98 \div 100$$

$$\begin{array}{r} 0.98 \\ \hline \end{array} \quad (2)$$

(f) $54 \div 10^3$

$$54 \div 1000$$

$$\begin{array}{r} 0.054 \\ \hline \end{array} \quad (2)$$

15. Fill in the missing number.



$$0.28 \times 20 = \boxed{0.56} \times 10$$

$$0.28 \times 10 = 2.8$$

$$2.8 \times 2 = 5.6$$

(1)

16. Fill in the missing number.



$$26 \div 50 = \boxed{52} \div 100$$

(1)

17. Fill in the missing number.



$$8.4 \times 10^3 = \boxed{84000} \div 10$$

$$8.4 \times 1000$$

$$8400$$

(2)