

Name: _____

Exam Style Questions

Multiply & Divide by 10, 100, 1000 etc



Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

Secondary

[Video 99](#)

[Video 100](#)

[Video 202](#)

[Video 203](#)



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) 17×1000

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

(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?

450.....eggs
(1)

4. Jacob is paid £10 an hour.
His monthly pay for October was £890

How many hours did hours did Jacob work in October?

$$890 \div 10 = 89$$

89.....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

9420
(1)

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

400
(1)

8.

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

93100

3000
(2)

9.

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

1250

50
(2)

10. Work out twenty thousand divided by one million

$$20000 \div 1000000$$

$$\underline{0.02}$$

(2)

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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?

$$0.4 \times 10000$$

$$\underline{4000}$$

(2)

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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?

$$42000 \div 100$$

$$\underline{420}$$

(1)

13. Work out

(a) 23×10^2

$$23 \times 100$$

$$\frac{2300}{(2)}$$

(b) 7×10^3

$$7 \times 1000$$

$$\frac{7000}{(2)}$$

(c) 2.5×10^3

$$2.5 \times 1000$$

$$\frac{2500}{(2)}$$

(d) 1.8×10^4

$$1.8 \times 10000$$

$$\frac{18000}{(2)}$$

(e) 0.2×10^2

$$0.2 \times 100$$

$$\frac{20}{(2)}$$

(f) 0.0006×10^2

$$0.0006 \times 100$$

$$\frac{0.06}{(2)}$$

14. Work out

(a) $4000 \div 10^2$

$$4000 \div 100$$

$$\begin{array}{r} 40 \\ \hline \end{array}$$

(2)

(b) $25000 \div 10^3$

$$25000 \div 1000$$

$$\begin{array}{r} 25 \\ \hline \end{array}$$

(2)

(c) $170 \div 10^2$

$$170 \div 100$$

$$\begin{array}{r} 1.7 \\ \hline \end{array}$$

(2)

(d) $9300 \div 10^4$

$$9300 \div 10000$$

$$\begin{array}{r} 0.93 \\ \hline \end{array}$$

(2)

(e) $98 \div 10^2$

$$98 \div 100$$

$$\begin{array}{r} 0.98 \\ \hline \end{array}$$

(2)

(f) $54 \div 10^3$

$$54 \div 1000$$

$$\begin{array}{r} 0.054 \\ \hline \end{array}$$

(2)