Exam Style Questions

Multiply & Divide by 10, 100, 1000 etc

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) $8 \times 10$

\[.................................\]

\[.................................\]

\[.................................\]

(b) $6 \times 100$

\[.................................\]

\[.................................\]

\[.................................\]

(c) $17 \times 1000$

\[.................................\]

\[.................................\]

\[.................................\]

(d) $3.4 \times 10$

\[.................................\]

\[.................................\]

\[.................................\]

(e) $0.2 \times 100$

\[.................................\]

\[.................................\]

\[.................................\]

(f) $49.1 \times 1000$

\[.................................\]

\[.................................\]

\[.................................\]
2. Work out

(a) $70 \div 10$

.................................

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

(b) $6000 \div 100$

.................................

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

(c) $17 \div 10$

.................................

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

(d) $93 \div 100$

.................................

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

(e) $28900 \div 1000$

.................................

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

(f) $0.84 \div 10$

.................................

................................. (1)
3. An egg box can hold 10 eggs.
   How many eggs are there in 45 full boxes?

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

4. Jacob is paid £10 an hour.
   His monthly pay for October was £890
   How many hours did Jacob work in October?

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

5. Shown below are some questions and answers.

   \[
   \begin{align*}
   200 \div 10 & = 0.2 \\
   0.2 \div 10 & = 20 \\
   0.2 \times 10 & = 2 \\
   2 \div 10 & = 0.02 \\
   2 \div 1000 & = 0.002 \\
   \end{align*}
   \]

   Match the correct questions and answers.
   The first one has been completed for you.
6. Fill in the missing numbers

(a) \[85 \times \square = 8500\] (1)

(b) \[\square \times 1000 = 400\] (1)

(c) \[\square \times 10 = 457.1\] (1)

(d) \[1900 \div \square = 19\] (1)

(e) \[\square \div 10 = 0.05\] (1)

(f) \[94000 \div \square = 94\] (1)
7. (a) Work out 942 x 10

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

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

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

8. Write down the value of the digit 3 in the answer 931 x 100

..........................  
(2)

9. Write down the value of the digit 5 in the answer 125000 ÷ 100

..........................  
(2)

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10. Work out twenty thousand divided by one million

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?

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?
13. Work out

(a) \(23 \times 10^2\)

(b) \(7 \times 10^3\)

(c) \(2.5 \times 10^3\)

(d) \(1.8 \times 10^4\)

(e) \(0.2 \times 10^2\)

(f) \(0.0006 \times 10^2\)
14. Work out

(a) \(4000 \div 10^2\)

..........................

(2)

(b) \(25000 \div 10^3\)

..........................

(2)

(c) \(170 \div 10^2\)

..........................

(2)

(d) \(9300 \div 10^4\)

..........................

(2)

(e) \(98 \div 10^2\)

..........................

(2)

(f) \(54 \div 10^3\)

..........................

(2)

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