

8300

GCSE MATHEMATICS

Foundation tier – Questions by Topic

Number

Using a written method to multiply decimals

v1.0

Name _____

Materials

For this paper you must have:

- Mathematical instruments
- You must not use a calculator



Information

- The marks for questions are shown in brackets

Advice

- In all calculations, show clearly how you work out your answer

Q1.

Work out the value of 1.5^2

(Total 2 marks)

Q2.

Work out 0.7×0.5

(Total 1 mark)

Q3.

Write a number in each box to make the calculation correct.

$$2.3 \times \boxed{} = 23$$

$$23 \div \boxed{} = 0.23$$

(Total 2 marks)

Q4.

(b) Work out 0.4×0.2

(1)

(Total 1 mark)

Q5.

Here is a multiplication table.

$\times$	61	63	65	67
61	3721	3843	3965	4087
63	3843	3969	4095	4221
65	3965	4095	4225	4355
67	4087	4221	4355	4489

Use the table to work out 6.1×6.7

(Total 1 mark)

Q6.

Circle the answer to 50×0.2

1

10

100

1000

(Total 1 mark)

Q7.

Work out $23.7 - 2.5 \times 8$

(Total 2 marks)

Q8.

(a) Work out 0.6×0.1

(1)

(Total 1 mark)

Q9.

(b) Work out 9.36×2

(1)

(Total 1 mark)

Q10.

- (a) Work out 2.4×0.002

(1)

(Total 1 mark)

Q11.

- (a) Write down the value of 10^3

(1)

- (b) Work out the value of 0.4×0.2

(1)

(Total 2 marks)

Q12.

Work out 0.37×0.26

Give your answer as a decimal.

(Total 4 marks)

Q13.

In each box, write a decimal **less** than 1 to make a correct calculation.

$$\boxed{} \times \boxed{} = 0.06$$

(Total 1 mark)

Q14.

Which is bigger, 7×0.12 or $\frac{17}{20}$?
You **must** show your working.

(Total 4 marks)

Q15.

The cost of fuel is £1.10 per litre.

1 gallon = 4.5 litres

- (a) Work out the cost of 1 gallon.

(3)

- (b) A car travels 35 miles per gallon of fuel.

How many gallons are used for a journey of 105 miles?

(2)

(Total 5 marks)

Q16.

The air pressure in a tyre measures 3.2 bar.

Air is leaking out at the rate of 0.2 bar per day.

- (a) Assume that the air continues to leak at the same rate.

After how many days will the pressure measure 1.8 bar?

(2)

- (b) In fact, the rate that the air leaks out decreases each day.

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

(1)

(Total 3 marks)