

8300

GCSE MATHEMATICS

Foundation and Higher tier – Questions by Topic

Number

Multiplying and dividing with place value

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

Questions 1 to 7 are **foundation** tier only

Q1.

Here is a multiplication table.

×	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)

Q2.

Here is a multiplication table.

×	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 63×66

(Total 2 marks)

Q3.

Here is a multiplication table.

×	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 $3843 \div 63$

(Total 1 mark)

Q4.

Here is a calculation.

$31 \times 84 = 2604$

You can use the calculation to help answer the following questions.

(a) Work out $2604 \div 84$

(1)

(b) Work out 3.1×8.4

(1)

(c) Work out 31×85

(2)

(Total 4 marks)

Q5.

Given that $25.6 \times 32 = 819.2$

(a) work out
$$\frac{81.92}{32}$$

(1)

(b) work out 0.256×320

(1)

(Total 2 marks)

Q6.

You are given that $23.5 \times 64 = 1504$

(a) Work out 23.5×6.4

(1)

(b) Work out
$$\frac{1504}{640}$$

(1)

(c) Work out 23.5×65

(2)

(Total 4 marks)

Q7.

Here is a calculation.

$428 \times 30 = 12\,840$

Use the calculation to help answer the following questions.

(a) Write down the answer to $12\,840 \div 428$

(1)

(b) Circle the answer to 214×30
1284 3210

6420

25 680

(1)

(Total 2 marks)

Questions 8 to 9 are **higher** tier only

Q8.

- (a) $123 \times 456 = 56\,088$
Write down the value of 12.3×45.6 (1)
- (b) $123 \times 456 = 56\,088$
Write down the value of $56\,088 \div 1.23$ (1)
- (c) $123 \times 456 = 56\,088$
Work out the value of 122×456 (2)

(Total 4 marks)

Q9.

$$346 \times 27 = 9342$$

- (a) Work out 34.6×2.7
Circle your answer.
934.2 93.42 9.342 0.9342 (1)
- (b) Work out $\frac{9342}{270}$
Circle your answer.
3460 346 34.6 3.46 (1)

(Total 2 marks)