



EXAM PAPERS PRACTICE

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GCSE AQA Maths (8300) Foundation Tier Question Paper

Fully inlined with first assessment 2026 and suitable for
students sitting exams 2026+

Topic - Numbers

Sub Topic Test 1 - Factors and Multiples - Foundation

Marks: 20

Total Marks: / 20

Topic Test 1 (20 minutes)

Factors and multiples - Foundation

1 Circle the number that is **both** a multiple of 3 and a multiple of 5 [1 mark]

10 25 27 30 35

2 Circle the number that is a prime factor of 189 [1 mark]

7 9 13 17 189

3 Burgers are sold in packs of 6
Buns are sold in packs of 10
Liam wants to buy the same number of burgers and buns.
Work out the **smallest** number of packs of each items he could buy. [3 marks]

_____ packs of burgers

_____ packs of buns

4 Here is a menu.

Starter	Main	Dessert
Soup (S)	Curry (C)	Ice cream (I)
Melon (M)	Roast (R)	Fruit (F)
Juice (J)	Pasta (P)	

- 4(a) Beth chooses a starter and a main.
List all the possible combinations she could choose.
The first one has been done for you.

[2 marks]

SC

- 4(b) Chen chooses a main and a dessert.
How many **more** possible combinations can Beth have than Chen?

[2 marks]

Answer _____

5 Mo says,
“Any common multiple of 2 and 4 is also **always** a multiple of 8”

Give an example to show that Mo is incorrect.

[1 mark]

6 a , b and c are **different** prime numbers.
Work out a set of values for a , b and c so that $a + b = 2c$

[2 marks]

$a =$ _____ $b =$ _____ $c =$ _____

7 A number is

- an **odd** multiple of 3
- a common factor of 180 and 750

Work out the **greatest** possible value of the number.

[3 marks]

Answer _____

8 $x=32 \times 5$ $y=2 \times 52$
Circle the lowest common multiple of x and y .

[1 mark]

5 30 450 2250

9(a) Write 280 as a product of its prime factors.

[2 marks]

Answer _____

9(b) $588=22 \times 3 \times 72$
Work out the highest common factor of 280 and 588

[2 marks]

Answer _____

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