GCSE Mathematics
Paper 1 (Non-Calculator)
Foundation Tier

Paper Reference: **GFP1.4**

Time: 1 hour 30 minutes
Total Marks: 80

This is a practice paper containing exam-style questions designed to support student preparation. It is not an official past paper or publication from any examination board.

Answer ALL questions.

1. Work out $56 \div 8$

....

(Total for Question 1 is 1 mark)

2. Write 35% as a decimal.

....

(Total for Question 2 is 1 mark)

3. Work out 6^2

....

(Total for Question 3 is 1 mark)

4. Here is a list of numbers:

$$-2 \quad 4 \quad -7 \quad 1 \quad -1$$

Write down the largest number.

....

(Total for Question 4 is 1 mark)

5. Simplify $4p - p$

....

(Total for Question 5 is 1 mark)

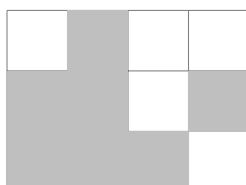**6.** A school has 480 students. $\frac{3}{8}$ of the students are in Year 7.
How many students are in Year 7?

....

(Total for Question 6 is 2 marks)

7. Work out $4.3 - 1.7$

....
(Total for Question 7 is 1 mark)

8. Here is a grid of squares.

What fraction of the grid is shaded? Give your answer in its simplest form.

....
(Total for Question 8 is 2 marks)

9. A bus journey starts at 08:45 and takes 1 hour 25 minutes.
At what time does the bus journey end?

....
(Total for Question 9 is 2 marks)

10. Write down the next two terms in this sequence:

2, 5, 8, 11, ... , ...

(Total for Question 10 is 1 mark)

11. Here is a pictogram showing the number of cars sold by a garage in four months.

January   ■ ■ ■

February   ■ ■ ■ ■ ■

March   ■ ■

April   ■ ■ ■ ■

Key: ■ represents 6 cars

(a) How many cars were sold in February?

....
(1)

(b) Which month had the fewest cars sold?

....
(1)

(c) How many cars were sold in total over the four months?

....
(2)

(Total for Question 11 is 4 marks)

12. Emma buys 4 magazines at £2.50 each. She pays with a £20 note.
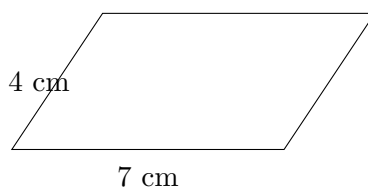How much change does Emma receive?

£ . . . .
(Total for Question 12 is 3 marks)

13. Solve $5x = 35$

$x =$ . . . .
(Total for Question 13 is 1 mark)

14. Here is a parallelogram.

4 cm

7 cm

Work out the area of the parallelogram.

. . . . cm^2
(Total for Question 14 is 2 marks)

15. There are 28 sweets in a jar. The ratio of red sweets to yellow sweets is 3:4.
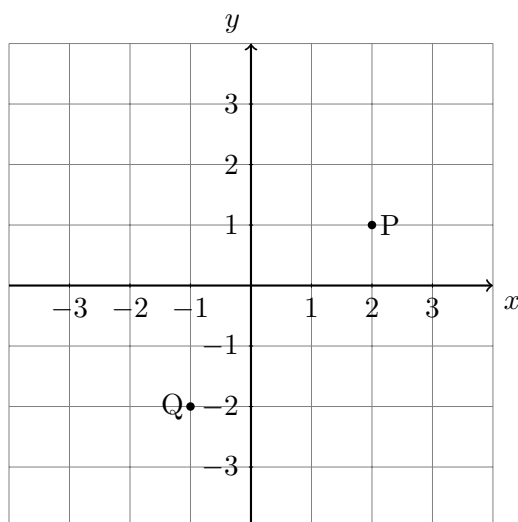How many red sweets are in the jar?

. . . .
(Total for Question 15 is 2 marks)

16. Work out $72 \div 9$

....

17. Here is a coordinate grid.

(a) Write down the coordinates of point P.
(...., ...)
(1)
(b) Write down the coordinates of point Q.
(...., ...)
(1)
(c) Plot point R at coordinates (-3, 2).

(1)
(Total for Question 17 is 3 marks)

18. A shop has 150 items in stock. 42% of the items are sold.
How many items are sold?

....
(Total for Question 18 is 2 marks)

19. Here are the first 5 terms of a sequence:

$$20, 17, 14, 11, 8, ...$$

(a) Write down the next term.

....
(1)

(b) Explain the rule for this sequence.

....
(1)

(Total for Question 19 is 2 marks)

20. A bag contains coloured balls. There are 4 red balls, 6 blue balls and 5 green balls. A ball is picked at random.

(a) How many balls are in the bag altogether?

....
(1)

(b) What is the probability of picking a blue ball?

....
(1)

(c) What is the probability of not picking a red ball?

....
(2)

(Total for Question 20 is 4 marks)

21. Work out $\frac{3}{4} - \frac{1}{3}$

Give your answer as a fraction in its simplest form.

....

(Total for Question 21 is 3 marks)

22. The table shows the number of goals scored by a hockey team in 15 matches.

Number of goals	Frequency
0	2
1	5
2	4
3	3
4	1

(a) Write down the mode.

....

(1)

(b) Work out the range.

....

(1)

(c) Work out the mean number of goals scored per match.

....

(3)

(Total for Question 22 is 5 marks)

23. Here is a trapezium.
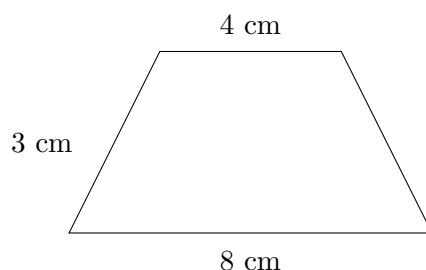
The parallel sides are 8 cm and 4 cm. The height is 3 cm.
Work out the area of the trapezium.

.... cm²

(Total for Question 23 is 3 marks)

24. Expand and simplify $2(x + 5) + 3(x - 2)$

. . . .

(Total for Question 24 is 3 marks)

25. A mobile phone costs £320. In a sale, the price is reduced by 15%.

(a) Work out 15% of £320.

£..

(2)

(b) Work out the sale price of the mobile phone.

£..

(1)

(Total for Question 25 is 3 marks)

26. Write down all the factors of 24.

....

(Total for Question 26 is 2 marks)

27. Here is a triangle.
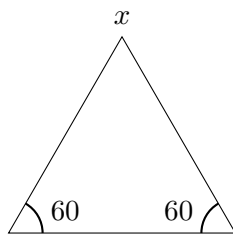
Work out the value of x.

$x =$ ....

(Total for Question 27 is 1 mark)

28. Factorise $15y - 10$

....

(Total for Question 28 is 2 marks)

29. A recipe for 6 people uses 450g of flour.
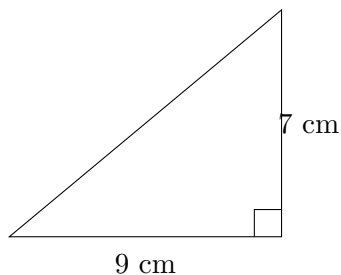
(a) How much flour is needed for 1 person?

.... g

(1)

(b) How much flour is needed for 9 people?

.... g

(2)

(Total for Question 29 is 3 marks)

30. Here is a right-angled triangle.

7 cm

9 cm

Work out the area of the triangle.

.... cm²

(Total for Question 30 is 2 marks)

TOTAL FOR PAPER IS 80 MARKS

Educational mathematics resources:
stepupmaths.co.uk