



GCSE MATHEMATICS – FOUNDATION TIER PRACTICE PAPER (NI – CCEA STYLE)

Time: 1 hour 30 minutes **Total Marks:** 100 **Calculator Allowed**

SECTION A – NUMBER & ALGEBRA (40 MARKS)

1. Write the number three thousand and twenty-five in digits.

(1 mark)

2. Round 47.68 to the nearest whole number.

(1 mark)

3. Work out:

a) 7×6 b) $45 \div 5$ *(2 marks)*

4. Write down a factor of 24.

(1 mark)

5. Work out:

3^2 *(1 mark)*

6. A packet of pens costs £2.40. How much do 3 packets cost?

(2 marks)

7. Write an expression for “five more than x ”.

(1 mark)

8. Solve:

$x + 7 = 15$ *(2 marks)*

9. Expand:

$3(2y + 4)$ *(2 marks)*

****10. A taxi charges £3 plus £1.20 per mile.**

Write a formula for the cost C for m miles. **** (2 marks)**

SECTION B – SHAPE, SPACE & MEASURE (30 MARKS)

11. Measure the length of the line below (teacher can draw a 6–8 cm line).

(1 mark)

12. Name this 3D shape:

(A cube is shown) (1 mark)

****13. A rectangle is 8 cm long and 3 cm wide.**

Work out its area. **** (2 marks)**

14. Convert:

a) 200 cm into metres b) 3.5 kg into grams *(2 marks)*

****15. The temperature is -3°C in the morning. It rises by 5°C .**

What is the new temperature? **** (2 marks)**

16. Draw a triangle with sides 4 cm, 4 cm, and 5 cm.

(2 marks)

17. A shape has 5 equal sides. What is its name?

(1 mark)

18. Work out the perimeter of a square with side length 7 cm.

(2 marks)

****19. A jug contains 1.25 litres of water.**

How many millilitres is this? **** (2 marks)**

SECTION C – HANDLING DATA & PROBABILITY (30 MARKS)

20. Here are the ages of five children:

8, 7, 10, 7, 8 a) Find the mode. b) Find the mean. *(4 marks)*

****21. A spinner has 4 equal sections: Red, Blue, Green, Yellow.**

What is the probability of landing on Blue? **** (2 marks)**

22. Complete the bar chart below (teacher can provide a simple template).

(3 marks)

23. A class survey shows:

- 12 students walk to school
- 8 take the bus
- 5 come by car How many students were surveyed? (2 marks)

****24. A bag has 3 red counters and 7 blue counters.**

What fraction are red? ** (2 marks)

25. The table shows the number of books read in a month:

Student Books

A 2

B 5

C 3

D 0

a) Who read the most books? b) How many books were read altogether? (4 marks)

****26. A fair coin is flipped 20 times.**

How many times would you expect it to land on heads? **