



## 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)  $7 \times 6$  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  $-3^{\circ}\text{C}$  in the morning. It rises by  $5^{\circ}\text{C}$ .**

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? \*\*