
Year 6 End-of-Year Maths

Paper 01 | KS2 | 50 marks

Name: _____ Date: _____

Suggested time: 60 minutes. Total marks: 50.

Answer all 30 questions. No calculator. Show your working.

Questions 1-10: 1 mark each. Questions 11-30: 2 marks each.

These original practice papers sample the curriculum; they are not official national tests.

Topics and difficulty become more demanding through the paper.

Tutor: use alongside classwork and adapt to the topics already taught.

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1. Partition 102,193 into place-value parts. [1 mark]

2. The temperature is -5 degrees C. It rises by 17 degrees. What is the new temperature? [1 mark]

3. Calculate $102193 + 81$. [1 mark]

4. 151 boxes each hold 15 pencils. How many pencils are there altogether? [1 mark]

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5. Calculate $123 \div 15$. Give any remainder. [1 mark]

6. List all positive factors of 15. [1 mark]

7. Find $\frac{4}{6}$ of 48. Show how you divide then multiply. [1 mark]

8. Complete the equivalent fraction: $\frac{5}{6} = \frac{?}{30}$. [1 mark]

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9. Calculate $\frac{1}{6} + \frac{1}{7}$. Then find this fraction of 168. [1 mark]

10. Calculate $\frac{5}{6} \times \frac{11}{12}$. Then find this fraction of 288. [1 mark]

11. Calculate $\frac{5}{6} \div 5$. Give a simplified fraction. [2 marks]

12. Calculate 1.21×5 . [2 marks]

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13. Find 50% of 160. [2 marks]

14. Share 102 counters in the ratio 5:12. [2 marks]

15. A rule is $y = 5 \times n + 12$. Find n when $y = 37$. [2 marks]

16. A sequence starts 3, 8, 13, 18. Find the next two terms and describe the rule. [2 marks]

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17. Convert 5.03 metres to centimetres and millimetres. [2 marks]

18. A notebook costs GBP 1.53. Buy 5 notebooks and pay GBP 10.00. Find the change. [2 marks]

19. A lesson starts at 08:06 and finishes at 08:34. How many minutes does it last? [2 marks]

20. A rectangle measures 8 cm by 12 cm. Find its perimeter. [2 marks]

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21. A triangle has base 16 cm and perpendicular height 12 cm. Find its area. [2 marks]

22. A cuboid is 5 cm by 12 cm by 4 cm. Find its volume. [2 marks]

23. A circle has radius 8 cm. Find its diameter and describe a radius. [2 marks]

24. A triangle has angles 33 degrees and 43 degrees. Find its third angle. [2 marks]

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25. Reflect point $(-8,12)$ in the y-axis. Then translate it 2 units left and 5 units down. Give the final coordinates. [2 marks]

26. Find the mean of 5, 7, 9, 11. [2 marks]

27. Order these numbers from smallest to largest: 102,945, 102,911, 102,933, 102,916. [2 marks]

28. Round 102,936 to the nearest 100. [2 marks]
