autodidact uk

Grammar School Mock Test — Mathematics

About this test

This is a practice paper designed to familiarise your child with the types of questions they will see in a Grammar School entrance examination.

Paper ID: MT-mt_20260218212721_a352b73b | 50 Questions | 60 Minutes

What you'll need

- Printed practice paper and answer sheet
- Pencil
- Rubber
- Timer

Taking the test

Your child should mark their answers on the answer sheet, not in the question paper. This is good practice for the real exam which will have a separate answer sheet.

On the answer sheet, your child should record their answers by drawing a clear line through the answer box with a pencil. Mistakes should be rubbed out and not crossed out.

Read the following carefully:

1. This test has been designed to help you practise the types of questions you will see in a Grammar School entrance exam.
2. You have **60 minutes** to complete this paper.
3. Read each question carefully before moving onto the next one.
4. Answers should be marked on the **answer sheets** provided. If you make a mistake, rub it out as completely as you can and mark your new answer.
5. You may find some of the questions difficult. If you cannot do a question, **do not waste time on it but go on to the next**. If you are not sure of an answer, choose the one you think is best.
6. Work as quickly and as carefully as you can.

Name: Jo | Date: 18/02/2026 | Paper ID: MT-mt_20260218212721_a352b73b

1 Mason and Elijah share £84 in the ratio 2 : 4. How much does each person get?

A £21 **B** £42 **C** Mason gets £28, Elijah gets £56 **D** £14

2 In the alphabet, which letter is 3 letter(s) after D?

A G **B** I **C** H **D** F

3 What is the distance between points (-11, 13) and (-13, 13)?

A 3 **B** 4 **C** 1 **D** 2 units

4 Find the next letter in the sequence: B, D, G, I, ?

A K **B** M **C** N **D** L

5 Use a mental strategy to calculate: 89 + 9

A 147 **B** 98 **C** 49 **D** 73

6 Find the next letter in the sequence: F, I, N, Q, ?

A V **B** X **C** W **D** U

7 Convert 96/100 to a decimal.

A 1 **B** 2.96 **C** 0.96 **D** 1.92

8 Write an equivalent fraction to 3/8 by multiplying numerator and denominator by 4.

A 13/32 **B** 11/32 **C** 12/32 **D** 12/33

9 Sophia buys 10 stickers at £7 each. Later, Sophia gives away 10 of them. How much are the remaining stickers worth in total?

A £2 **B** £1 **C** £3 **D** £0

---

10 Convert 7/20 to a decimal.

A 1.35 **B** 0.35 **C** 2 **D** 1

---

11 Find the next term in the sequence: 22, 31, 40, 49, 58, ___

A 33 **B** 50 **C** 100 **D** 67

---

12 Using A=1, B=2, ..., Z=26, find the total for the word "BOOK".

A 21 **B** 64 **C** 43 **D** 32

---

13 Calculate: 94 - 10 = ?

A 42 **B** 63 **C** 84 **D** 126

---

14 Solve for x: 4x + 11 = 43

A 6 **B** 12 **C** 8 **D** 4

---

15 Liam buys 6 stickers at £12 each. Later, Liam gives away 4 of them. How much are the remaining stickers worth in total?

A £24 **B** £12 **C** £36 **D** £18

---

16 Quick! 27 * 67 = ?

A 1356 **B** 1809 **C** 904 **D** 2713

---

17 A bag contains 7 balls. 1 are blue. What is the probability of NOT picking a blue ball?

A 6/7 **B** 6/8 **C** 7/7 **D** 5/7

---

18 Use a mental strategy to calculate: 153 + 29

A 182 **B** 273 **C** 136 **D** 91

---

19 A bag contains 6 balls. 1 are green. What is the probability of NOT picking a green ball?

A 5/6 **B** 5/7 **C** 6/6 **D** 4/6

---

20 Use a mental strategy to calculate: 41 + 49

A 135 **B** 45 **C** 67 **D** 90

---

21 Find the next letter in the sequence: I, J, M, N, ?

A Q **B** R **C** P **D** S

---

22 Emma buys 3 stamps at £15 each. Later, Emma gives away 2 of them. How much are the remaining stamps worth in total?

A £15 **B** £22 **C** £11 **D** £7

---

23 Using A=1, B=2, ..., Z=26, find the total for the word "BRAIN".

A 66 **B** 33 **C** 44 **D** 22

---

24 Which is larger: 1/2 or 5/6?

A 2/2 **B** 3/2 **C** 1/3 **D** 1/2 < 5/6

---

25 Find the next letter in the sequence: I, M, R, V, ?

A Z **B** A **C** B **D** C

---

26 Liam and Ethan share £18 in the ratio 2 : 4. How much does each person get?

A £3 **B** £4 **C** Liam gets £6, Ethan gets £12 **D** £9

---

27 Estimate 22 + 47 by rounding to the nearest 10.

A 52 **B** 35 **C** 105 **D** Estimate: 70 (exact: 69)

---

28 Use a mental strategy to calculate: 26 + 49

A 75 **B** 56 **C** 37 **D** 112

---

29 Find the missing number: 6 × ___ = 36

A 3 **B** 4 **C** 6 **D** 9

---

30 Quick! 234 - 116 = ?

A 59 **B** 177 **C** 88 **D** 118

---

31 Sophia and Liam share £12 in the ratio 1 : 2. How much does each person get?

A £3 **B** £6 **C** £2 **D** Sophia gets £4, Liam gets £8

---

32 Write an equivalent fraction to 3/9 by multiplying numerator and denominator by 3.

A 8/27 **B** 10/27 **C** 9/27 **D** 9/28

---

33 What is the opposite letter pair of U in the alphabet mirror (A↔Z, B↔Y, ...)?

A F **B** H **C** E **D** G

---

34 Quick! 17 + 39 = ?

A 42 **B** 56 **C** 28 **D** 84

---

35 Write an equivalent fraction to 3/5 by multiplying numerator and denominator by 4.

A 13/20 **B** 12/20 **C** 11/20 **D** 12/21

---

36 What is the opposite letter pair of W in the alphabet mirror (A↔Z, B↔Y, ...)?

A E **B** F **C** D **D** C

---

37 Estimate 40 + 37 by rounding to the nearest 10.

A Estimate: 80 (exact: 77) **B** 40 **C** 120 **D** 60

---

38 Find the missing number: 10 × ___ = 50

A 3 **B** 2 **C** 7 **D** 5

---

39 Quick! 218 * 305 = ?

A 99735 **B** 33245 **C** 49867 **D** 66490

---

40 Use the formula A = l × w to find A when l = 15 and w = 12.

A 270 **B** 180 **C** 135 **D** 90

---

41 In which quadrant does the point (9, 10) lie?

A First quadrant (approx) **B** First quadrant **C** 131 **D** 65

---

42 In the alphabet, which letter is 2 letter(s) after J?

A L **B** M **C** K **D** N

---

43 Find 20% of 2160.

A 432 **B** 324 **C** 648 **D** 216

---

44 Use the formula A = l × w to find A when l = 5 and w = 11.

A 41 **B** 27 **C** 82 **D** 55

---

45 Increase £170 by 50%.

A £255 **B** £127 **C** £191 **D** £382

---

46 What is the opposite letter pair of F in the alphabet mirror (A↔Z, B↔Y, ...)?

A V **B** W **C** T **D** U

---

47 What is the opposite letter pair of D in the alphabet mirror (A↔Z, B↔Y, ...)?

A V **B** Y **C** X **D** W

---

48 Write an equivalent fraction to 3/9 by multiplying numerator and denominator by 5.

A 15/45 **B** 15/46 **C** 16/45 **D** 14/45

---

49 Quick! 18 + 15 = ?

A 16 **B** 33 **C** 24 **D** 49

---

50 Write an equivalent fraction to 5/6 by multiplying numerator and denominator by 3.

A 15/19 **B** 14/18 **C** 15/18 **D** 16/18

END OF TEST

Answer Sheet - Grammar School Mock Test — Mathematics

Atom Home

Name
Jo

Date
18/02/2026

Test name
Grammar School Mock Test — Mathematics

Scan this QR code to add your answers from this test on Atom and get your results

Draw a line clearly through the rectangle next to your answer, like ▭.

1	2	3	4	5	6	7
A. £21 ▭	A. G ▭	A. 3 ▭	A. K ▭	A. 147 ▭	A. V ▭	A. 1 ▭
B. £42 ▭	B. I ▭	B. 4 ▭	B. M ▭	B. 98 ▭	B. X ▭	B. 2.96 ▭
C. Mason gets £28, Elijah gets £56 ▭	C. H ▭	C. 1 ▭	C. N ▭	C. 49 ▭	C. W ▭	C. 0.96 ▭
D. £14 ▭	D. F ▭	D. 2 units ▭	D. L ▭	D. 73 ▭	D. U ▭	D. 1.92 ▭

8	9	10	11	12	13	14
A. 13/32 ▭	A. £2 ▭	A. 1.35 ▭	A. 33 ▭	A. 21 ▭	A. 42 ▭	A. 6 ▭
B. 11/32 ▭	B. £1 ▭	B. 0.35 ▭	B. 50 ▭	B. 64 ▭	B. 63 ▭	B. 12 ▭
C. 12/32 ▭	C. £3 ▭	C. 2 ▭	C. 100 ▭	C. 43 ▭	C. 84 ▭	C. 8 ▭
D. 12/33 ▭	D. £0 ▭	D. 1 ▭	D. 67 ▭	D. 32 ▭	D. 126 ▭	D. 4 ▭

15	16	17	18	19	20	21
A. £24 ▭	A. 1356 ▭	A. 6/7 ▭	A. 182 ▭	A. 5/6 ▭	A. 135 ▭	A. Q ▭
B. £12 ▭	B. 1809 ▭	B. 6/8 ▭	B. 273 ▭	B. 5/7 ▭	B. 45 ▭	B. R ▭
C. £36 ▭	C. 904 ▭	C. 7/7 ▭	C. 136 ▭	C. 6/6 ▭	C. 67 ▭	C. P ▭
D. £18 ▭	D. 2713 ▭	D. 5/7 ▭	D. 91 ▭	D. 4/6 ▭	D. 90 ▭	D. S ▭

22	23	24	25	26	27	28
A. £15 ▭	A. 66 ▭	A. 2/2 ▭	A. Z ▭	A. £3 ▭	A. 52 ▭	A. 75 ▭
B. £22 ▭	B. 33 ▭	B. 3/2 ▭	B. A ▭	B. £4 ▭	B. 35 ▭	B. 56 ▭
C. £11 ▭	C. 44 ▭	C. 1/3 ▭	C. B ▭	C. Liam gets £6, Ethan gets £12 ▭	C. 105 ▭	C. 37 ▭
D. £7 ▭	D. 22 ▭	D. 1/2 < 5/6 ▭	D. C ▭	D. £9 ▭	D. Estimate: 70 (exact: 69) ▭	D. 112 ▭

29	30	31	32	33	34	35
A. 3 ▭	A. 59 ▭	A. £3 ▭	A. 8/27 ▭	A. F ▭	A. 42 ▭	A. 13/20 ▭
B. 4 ▭	B. 177 ▭	B. £6 ▭	B. 10/27 ▭	B. H ▭	B. 56 ▭	B. 12/20 ▭
C. 6 ▭	C. 88 ▭	C. £2 ▭	C. 9/27 ▭	C. E ▭	C. 28 ▭	C. 11/20 ▭
D. 9 ▭	D. 118 ▭	D. Sophia gets £4, Liam gets £8 ▭	D. 9/28 ▭	D. G ▭	D. 84 ▭	D. 12/21 ▭

36	37	38	39	40	41	42
A. E ▭	A. Estimate: 80 (exact: 77) ▭	A. 3 ▭	A. 99735 ▭	A. 270 ▭	A. First quadrant (approx) ▭	A. L ▭
B. F ▭	B. 40 ▭	B. 2 ▭	B. 33245 ▭	B. 180 ▭	B. First quadrant ▭	B. M ▭
C. D ▭	C. 120 ▭	C. 7 ▭	C. 49867 ▭	C. 135 ▭	C. 131 ▭	C. K ▭
D. C ▭	D. 60 ▭	D. 5 ▭	D. 66490 ▭	D. 90 ▭	D. 65 ▭	D. N ▭

43	44	45	46	47	48	49
A. 432 ▭	A. 41 ▭	A. £255 ▭	A. V ▭	A. V ▭	A. 15/45 ▭	A. 16 ▭
B. 324 ▭	B. 27 ▭	B. £127 ▭	B. W ▭	B. Y ▭	B. 15/46 ▭	B. 33 ▭
C. 648 ▭	C. 82 ▭	C. £191 ▭	C. T ▭	C. X ▭	C. 16/45 ▭	C. 24 ▭
D. 216 ▭	D. 55 ▭	D. £382 ▭	D. U ▭	D. W ▭	D. 14/45 ▭	D. 49 ▭

50

A. 15/19
B. 14/18
C. 15/18
D. 16/18

END OF TEST