Sample Paper · Class 6

Questions	Marks each	Total marks	Time	Answers on
50	**2**	**100**	**1 hour**	**OMR sheet**

Instructions

1. This paper has **50 multiple-choice questions**. Each has four options, and only one is correct.
2. Each question carries **2 marks**. The paper is out of **100 marks**.
3. Time allowed: **1 hour**.
4. In the real exam, mark your answers on the **OMR sheet**. A practice OMR sheet is included before the answer key.
5. Score **70% or more** in Round 1 to qualify for Round 2 (national level).

Name _____ Class 6 Score _____ / 100

School _____

Questions

1. Solve: 6x = 102

(A) x = 17 **(B)** x = 108
(C) x = 96 **(D)** x = 18

2. What is the mean of 32, 44, 14, 33, 47?

(A) 32 **(B)** 30
(C) 33 **(D)** 34

3. 0.8 × 0.9 = ?

(A) 1.7 **(B)** 7.2
(C) 0.072 **(D)** 0.72

4. Which of these is a prime number?

(A) 29 **(B)** 69
(C) 33 **(D)** 81

5. 48 ÷ 6 × 4 + 6 = ?

(A) 39 **(B)** 80
(C) 38 **(D)** 8

6. Which number is divisible by 9?

(A) 4,082 **(B)** 5,021
(C) 1,791 **(D)** 2,368

7. What is 3/4 of 52?

(A) 44 **(B)** 39
(C) 34 **(D)** 36

8. What is 54 : 72 in its simplest form?

(A) 27 : 36 **(B)** 4 : 5
(C) 3 : 4 **(D)** 3 : 6

9. Solve: x + 11 = 59

(A) x = 49 **(B)** x = 48
(C) x = −48 **(D)** x = 70

10. If x = 8, what is the value of 2x + 7?

(A) 27 **(B)** 19
(C) 18 **(D)** 23

11. What is the supplement of 136°?

(A) 44° **(B)** 54°
(C) 46° **(D)** 224°

12. A rectangular park is 15 m long and 12 m wide. What is its area?

(A) 192 sq m **(B)** 165 sq m
(C) 180 sq m **(D)** 54 sq m

13. (−11) + 20 − (−4) = ?

(A) −27 **(B)** 5
(C) 35 **(D)** 13

14. If 4 pens cost ₹36, how much do 7 pens cost?

(A) ₹60 **(B)** ₹62
(C) ₹66 **(D)** ₹63

15. 12 ÷ 2 × 4 + 2 = ?

(A) 22 **(B)** 27
(C) 36 **(D)** 26

16. A rectangular park is 20 m long and 8 m wide. What is its area?

(A) 56 sq m **(B)** 168 sq m
(C) 160 sq m **(D)** 140 sq m

17. If 6 pens cost ₹84, how much do 9 pens cost?

(A) ₹123 **(B)** ₹119
(C) ₹126 **(D)** ₹124

18. What is 5/8 of 112?

(A) 69 **(B)** 70
(C) 67 **(D)** 76

19. What is the mean of 46, 13, 16, 42, 28?

(A) 25 **(B)** 31
(C) 29 **(D)** 33

20. Solve: 9x = 99

(A) x = 108 **(B)** x = 12
(C) x = 11 **(D)** x = 90

21. (−11) + 10 − (−3) = ?

(A) −4 **(B)** 2
(C) 24 **(D)** −18

22. What is the supplement of 60°?

(A) 300° **(B)** 130°
(C) 30° **(D)** 120°

23. If x = 5, what is the value of 5x + 10?

(A) 40 **(B)** 39
(C) 35 **(D)** 41

24. Solve: x + 14 = 64

(A) x = 78 **(B)** x = −50
(C) x = 50 **(D)** x = 51

25. (−8) + 6 − (−8) = ?

(A) −10 **(B)** 6
(C) −6 **(D)** 22

26. What is 40 : 64 in its simplest form?

(A) 6 : 9 **(B)** 20 : 32
(C) 5 : 8 **(D)** 5 : 10

27. 0.3 × 0.7 = ?

(A) 0.21 **(B)** 2.1
(C) 1 **(D)** 0.021

28. 24 ÷ 6 × 3 + 5 = ?

(A) 7 **(B)** 18
(C) 17 **(D)** 32

29. What is the supplement of 36°?

(A) 154° **(B)** 54°
(C) 324° **(D)** 144°

30. What is the mean of 11, 34, 13, 23, 44?

(A) 24 **(B)** 25
(C) 23 **(D)** 22

31. If 3 pens cost ₹45, how much do 5 pens cost?

(A) ₹69 **(B)** ₹70
(C) ₹73 **(D)** ₹75

32. If x = 8, what is the value of 7x + 12?

(A) 68 **(B)** 64
(C) 71 **(D)** 65

33. A rectangular park is 21 m long and 15 m wide. What is its area?

(A) 294 sq m **(B)** 315 sq m
(C) 330 sq m **(D)** 72 sq m

34. Solve: 6x = 114

(A) x = 108 **(B)** x = 19
(C) x = 120 **(D)** x = 20

35. What is 2/3 of 27?

(A) 20 **(B)** 21
(C) 18 **(D)** 17

36. Solve: x + 21 = 70

(A) x = 50 **(B)** x = 49
(C) x = 91 **(D)** x = −49

37. 12 ÷ 6 × 5 + 3 = ?

(A) 13 **(B)** 16
(C) 14 **(D)** 7

38. What is 2/3 of 36?

(A) 26 **(B)** 24
(C) 22 **(D)** 20

39. What is the mean of 44, 26, 47, 30, 53?

(A) 42 **(B)** 40
(C) 43 **(D)** 36

40. A rectangular park is 14 m long and 12 m wide. What is its area?

(A) 154 sq m **(B)** 168 sq m
(C) 180 sq m **(D)** 52 sq m

41. (−9) + 12 − (−8) = ?

(A) −13 **(B)** 11
(C) −5 **(D)** 29

42. What is the supplement of 110°?

(A) 70° **(B)** 250°
(C) 80° **(D)** 20°

43. Solve: x + 8 = 57

(A) x = 65 **(B)** x = −49
(C) x = 50 **(D)** x = 49

44. 1.2 × 0.5 = ?

(A) 1.7 **(B)** 6
(C) 0.6 **(D)** 0.06

45. If x = 4, what is the value of 7x + 7?

(A) 32 **(B)** 30
(C) 36 **(D)** 35

46. (−5) + 20 − (−7) = ?

(A) −18 **(B)** 22
(C) 8 **(D)** 32

47. What is the mean of 23, 29, 44, 10, 24?

(A) 28 **(B)** 25
(C) 24 **(D)** 26

48. Solve: 5x = 85

(A) x = 90 **(B)** x = 18
(C) x = 17 **(D)** x = 80

49. What is 2/3 of 18?

(A) 13 **(B)** 16
(C) 12 **(D)** 10

50. If 5 pens cost ₹60, how much do 8 pens cost?

(A) ₹103 **(B)** ₹85
(C) ₹86 **(D)** ₹96

Practice OMR sheet

Fill one circle for each question, using a dark pen. Practising this now saves time in the real exam.

1	○ A	○ B	○ C	○ D
2	○ A	○ B	○ C	○ D
3	○ A	○ B	○ C	○ D
4	○ A	○ B	○ C	○ D
5	○ A	○ B	○ C	○ D
6	○ A	○ B	○ C	○ D
7	○ A	○ B	○ C	○ D
8	○ A	○ B	○ C	○ D
9	○ A	○ B	○ C	○ D
10	○ A	○ B	○ C	○ D
11	○ A	○ B	○ C	○ D
12	○ A	○ B	○ C	○ D
13	○ A	○ B	○ C	○ D
14	○ A	○ B	○ C	○ D
15	○ A	○ B	○ C	○ D
16	○ A	○ B	○ C	○ D
17	○ A	○ B	○ C	○ D
18	○ A	○ B	○ C	○ D
19	○ A	○ B	○ C	○ D
20	○ A	○ B	○ C	○ D
21	○ A	○ B	○ C	○ D
22	○ A	○ B	○ C	○ D
23	○ A	○ B	○ C	○ D
24	○ A	○ B	○ C	○ D
25	○ A	○ B	○ C	○ D

26	○ A	○ B	○ C	○ D
27	○ A	○ B	○ C	○ D
28	○ A	○ B	○ C	○ D
29	○ A	○ B	○ C	○ D
30	○ A	○ B	○ C	○ D
31	○ A	○ B	○ C	○ D
32	○ A	○ B	○ C	○ D
33	○ A	○ B	○ C	○ D
34	○ A	○ B	○ C	○ D
35	○ A	○ B	○ C	○ D
36	○ A	○ B	○ C	○ D
37	○ A	○ B	○ C	○ D
38	○ A	○ B	○ C	○ D
39	○ A	○ B	○ C	○ D
40	○ A	○ B	○ C	○ D
41	○ A	○ B	○ C	○ D
42	○ A	○ B	○ C	○ D
43	○ A	○ B	○ C	○ D
44	○ A	○ B	○ C	○ D
45	○ A	○ B	○ C	○ D
46	○ A	○ B	○ C	○ D
47	○ A	○ B	○ C	○ D
48	○ A	○ B	○ C	○ D
49	○ A	○ B	○ C	○ D
50	○ A	○ B	○ C	○ D

Answer key

Check your answers. Your score = number of correct answers × 2 marks.

1	2	3	4	5	6	7	8	9	10
A	**D**	**D**	**A**	**C**	**C**	**B**	**C**	**B**	**D**
11	12	13	14	15	16	17	18	19	20
A	**C**	**D**	**D**	**D**	**C**	**C**	**B**	**C**	**C**
21	22	23	24	25	26	27	28	29	30
B	**D**	**C**	**C**	**B**	**C**	**A**	**C**	**D**	**B**
31	32	33	34	35	36	37	38	39	40
D	**A**	**B**	**B**	**C**	**B**	**A**	**B**	**B**	**B**
41	42	43	44	45	46	47	48	49	50
B	**A**	**D**	**C**	**D**	**B**	**D**	**C**	**C**	**D**

Want more practice? Registered students also get mock tests, and free weekend quizzes are open to everyone at mathsolympiad.net/wc.