

SCHOOL LEVEL EXAM (2024 – 2025)

 MATHS MARATHON Competition For Excellence	CLASS 7	
Total Questions : 50	Total Marks : 100	Time : 1 hour

INSTRUCTIONS TO THE STUDENT'S

1. Please do not open this question paper unless you are instructed to do so.
2. Additional 5 minutes will be given to the candidates for filling up the student's details before the start of the competition.
3. The paper consists of 5 different chapters of the textbook.
4. All questions are compulsory and consist of equal marks.
5. Each question is carrying 2 marks, there is no negative marking.
6. There is only one correct answer, hence mark one answer only.
7. Darken the circle with dark pencil or blue/black ball pen only.
8. Return the answer sheet along with the question paper to the supervisor at the end of the exam.
9. Extra Blank pages can be used for rough calculations.

Name - _____

SCHOOL - _____

ROLL NO - _____ CLASS - _____

1. If you multiply 9 by (-6) , what is the product?
A) 54 B) -54 C) 15
2. If you have 6 groups of 5 pens each, how many pens do you have in total?
A) 30 B) -30 C) -11
3. If you multiply (-10) by (-5) , what is the product?
A) 50 B) -50 C) 15
4. If you have 6 groups of 7 balls each, how many balls do you have in total?
A) 13 B) -13 C) 42
5. What is the product of 8 and (-6) ?
A) -14 B) 48 C) -48
6. What is the quotient of 49 divided by (-7) ?
A) 7 B) -7 C) 6
7. If you have (-40) divided into 4 equal groups, how many are in each group?
A) -10 B) 10 C) -20
8. What is the quotient of (-63) divided by 7?
A) -7 B) 9 C) -9
9. If you divide (-30) by 5, what is the quotient?
A) 6 B) -6 C) -7
10. How many times does (-7) go into (-49) ?
A) 7 B) -7 C) 6
11. Which of the following pairs of numbers is not co-prime?
A) (9, 16) B) (10, 15) C) (12, 25)
12. What is the twin prime pair after (17, 19)?
A) (19, 21) B) (23, 25) C) (29, 31)
13. Find the HCF of 15 and 20.
A) 5 B) 10 C) 15
14. Calculate the HCF of 75, 100, and 125.
A) 5 B) 25 C) 50

15. Determine the HCF of 42, 63, and 84.

- A) 6 B) 14 C) 21

16. What is the LCM of 15 and 20?

- A) 20 B) 30 C) 60

17. Determine the LCM of 5, 8, and 10.

- A) 20 B) 40 C) 80

18. What is the LCM of 15, 18, and 24?

- A) 360 B) 720 C) 120

19. Calculate the LCM of 9, 12, and 18.

- A) 36 B) 54 C) 72

20. What is the LCM of 16, 24, and 32?

- A) 48 B) 96 C) 192

21. Which of the below a reflex angle?

- A) 270 degrees B) 120 degrees C) 75 degrees

22. In a triangle, the sum of all interior angles is equal to:

- A) 90 degrees B) 180 degrees C) 360 degrees

23. What are the complementary angles if one angle measures 25 degrees?

- A) 115 degrees B) 90 degrees C) 65 degrees

24. What are the supplementary angles if one angle measures 120 degrees?

- A) 60 degrees B) 120 degrees C) 240 degrees

25. If one of the exterior angles of a triangle measures 110 degrees, what is the measure of its adjacent interior angle?

- A) 70 degrees B) 90 degrees C) 110 degrees

26. If one angle measures 80 degrees, what is the measure of its vertically opposite angle?

- A) 80 degrees B) 90 degrees C) 180 degrees

27. In a triangle, if all three angles measure less than 90 degrees, what type of triangle is it?

- A) Acute angled triangle B) Right triangle C) Equilateral triangle

28. In a triangle, if one angle measures 60 degrees and another measures 70 degrees, what is the measure of the third angle?

- A) 40 degrees B) 50 degrees C) 110 degrees

29. An angle measuring 30 degrees is classified as:

A) Right angle

B) Obtuse angle

C) Acute angle

30. Opposite rays are always:

A) Parallel

B) Collinear

C) Perpendicular

31. If you add $\frac{-3}{8}$ and $\frac{5}{8}$, what is the result?

A) $\frac{-1}{4}$

B) $\frac{1}{4}$

C) $\frac{-8}{3}$

32. What is the result of subtracting $\frac{3}{4}$ from $\frac{5}{6}$?

A) $\frac{1}{12}$

B) $\frac{7}{12}$

C) $\frac{1}{3}$

33. What is the product of $\frac{-3}{4}$ and $\frac{5}{6}$?

A) $\frac{-5}{8}$

B) $\frac{5}{18}$

C) $\frac{-15}{24}$

34. What is the quotient of $\frac{2}{5}$ divided by $\frac{3}{10}$?

A) $\frac{4}{5}$

B) $\frac{4}{3}$

C) $\frac{20}{3}$

35. Convert $\frac{-3}{7}$ to a decimal.

A) -0.428

B) -0.571

C) -0.857

36. Simplify the expression: $(-10) \times (-2) / 5 + (-4) - (-3)$.

A) 3

B) 0

C) 1

37. If you multiply $\frac{1}{3}$ by $\frac{1}{6}$, what is the product?

A) $\frac{1}{18}$

B) $\frac{2}{9}$

C) $\frac{1}{9}$

38. Simplify the expression: $((-15) / 3) + (8 - 2) \times (-2) - ((4 + 2) / 3)$.

A) -16

B) -19

C) -20

39. Simplify the expression: $(-15) / 3 + (-7) \times 2$.

A) -4

B) -19

C) -3

40. What is the decimal equivalent of $\frac{-5}{6}$?

A) -0.833

B) -0.666

C) -0.555

41. Calculate the square root of 36.

A) 6

B) 9

C) 12

42. What is $(-6)^4 \times (-6)^3$ equal to?

A) $(-6)^7$

B) $(-6)^{12}$

C) $(-6)^{24}$

43. What is $\frac{8^5}{8^3}$?

A) 8^2

B) 8^1

C) 8^3

44. What is $(-3)^4 \times (-3)^4$ equal to?

A) $(-3)^8$

B) $(-3)^{12}$

C) $(-3)^{21}$

45. Calculate $(2 \times (-3))^3 \times (2 \times (-3))^4$

A) $(-6)^7$

B) $(-6)^{12}$

C) $(-6)^{14}$

46. Determine the square root of 144.

A) 12

B) 16

C) 24

47. Determine the cube of 14.

A) 1822

B) 196

C) 2744

48. What is $10^2 \times 10^4$?

A) 10^8

B) 10^6

C) 10^4

49. Simplify $(-2)^5 \div (-2)^3$.

A) $(-2)^8$

B) $(-2)^2$

C) $(-2)^{15}$

50. Simplify $\frac{11^6}{11^3}$.

A) 11^9

B) 11^3

C) 11^2

ANSWER SECTION

No.	Ans	No.	Ans	No.	Ans	No.	Ans	No.	Ans
1	B	11	B	21	A	31	B	41	A
2	A	12	C	22	B	32	A	42	A
3	A	13	A	23	C	33	A	43	A
4	C	14	B	24	A	34	B	44	A
5	C	15	C	25	A	35	A	45	A
6	B	16	C	26	A	36	A	46	A
7	A	17	B	27	A	37	A	47	C
8	C	18	A	28	B	38	B	48	B
9	B	19	A	29	C	39	B	49	B
10	A	20	B	30	B	40	A	50	B