

SAINIK SCHOOL BIJAPUR



Class VII

TERM -1 EXAM 2021

Max Marks :40

Date : 20-11-2021

Mathematics (SET1)

Time : 1 Hour30min

This question paper contains 50 objective type questions. Each question carry 1 mark.

1	Write the following statement in the form of an equation. "The sum of three times x and 10 is 23. (a) $3x - 10 = 23$ (b) $3x + 23 = 10$ (c) $3x + 10 = 23$ (d) $3x - 23 = 10$	1
2	The solution of the equation $4p - 3 = 13$ is (a) 1 (b) 2 (c) 3 (d) 4	1
3	In an isosceles triangle, the base angles are equal to 50° . The vertex angle is (a) 45° (b) 80° (c) 75° (d) 85°	1
4	If the LHS and RHS of an equation are interchanged, then (a) The equation remains the same. (b) The value of the variable becomes half. (c) The value of the variable becomes double. (d) The value of the variable becomes zero.	1
5	The solution of the equation $4(2 - x) = 4$ is (a) 1 (b) 2 (c) 3 (d) 4	1
6	Write the following statement in the form of an equation: Add 1 to three times n to get 7 (a) $3n + 1 = 7$ (b) $3n - 1 = 7$ (c) $3n + 7 = 1$ (d) none	1
7	The solution of the equation $x + 3 = 0$ is (a) 3 (b) -3 (c) 0 (d) 1	1
8	How many medians can a triangle have? (a) 1 (b) 2 (c) 3 (d) 6	1
9	Least number of possible acute angles in a triangle is: (a) 0 (b) 1 (c) 2 (d) 3	1
10	Maximum number of possible obtuse angles in a triangle is: (a) 0 (b) 1 (c) 2 (d) 3	1

11	The ratio of the measures of the three angles of a triangle is 2 : 3 : 4. The measure of the largest angle is (a) 80° (b) 60° (c) 40° (d) 180°	1
12	Which of the following cannot be the sides of a right triangle? (a) 2 cm, 2 cm, 4 cm (b) 5 cm, 12 cm; 13 cm (c) 6 cm, 8 cm, 10 cm (d) 3 cm; 4 cm; 5 cm	1
13	One of the angles of a triangle is 110° and the other two angles are equal what is the measure of each of these equal angles (a) $35^\circ, 35^\circ$ (b) $40^\circ, 40^\circ$ (c) $11^\circ, 11^\circ$ (d) $80^\circ, 80^\circ$	1
14	Which is the longest side in the triangle ABC right angled at B? (a) AB (b) AC (c) BC (d) None of these	1
15	On a number line, when we add a positive integer, we (a) move to the right (b) move to the left (c) do not move at all (d) none of these.	1
16	The product of two negative integers is (a) a positive integer (b) a negative integer (c) either a positive integer or a negative integer (d) none of these.	1
17	$(-20) \times (-5)$ is equal to (a) 100 (b) -100 (c) 20 (d) 5.	1
18	3×0 is equal to (a) 0 (b) 3 (c) 1 (d) -3	1
19	$(-10) \times 0 \times (-15)$ is equal to (a) 0 (b) 10 (c) 15 (d) 150.	1
20	7 paise is equal to (a) Rs 0.7 (b) Rs 0.07 (c) Rs 0.007 (d) Rs 0.0007	1
21	How much less is 10 km than 30.6 km? (a) 10.6 km (b) 20.6 km (c) 30.6 km (d) 10 km	1

22	Which of the following is an improper fraction? (a) $\frac{2}{7}$ (b) $\frac{1}{2}$ (c) $\frac{2}{3}$ (d) $\frac{73}{10}$	1
23	Which of the following is a mixed fraction? (a) $\frac{2}{17}$ (b) $\frac{3}{14}$ (c) $\frac{5}{27}$ (d) $2\frac{13}{15}$	1
24	The improper fraction $\frac{35}{8}$ in the form of a mixed fraction is. (a) $4\frac{3}{4}$ (b) $4\frac{3}{8}$ (c) $3\frac{7}{8}$ (d) $4\frac{7}{8}$	1
25	The reciprocal of a proper fraction is (a) 1 (b) an improper fraction (c) also a proper fraction (d) a unit fraction	1
26	A batsman scored the following number of runs in six innings: 35, 30, 45, 65, 39, 20 The mean runs scored by him in an inning is (a) 39 (b) 38 (c) 37 (d) 40	1
27	The range of the weights (in kg) of a students of a class given below is: 49, 60, 47, 50, 47, 59, 58, 45, 53 (a) 10 (b) 15 (c) 20 (d) 2	1
28	The mode of the distribution 3, 5, 7, 4, 2, 1, 4, 3, 4 is (a) 7 (b) 4 (c) 3 (d) 1	1
29	The median of the distribution 2, 3, 4, 7, 5, 1, 6 is (a) 1 (b) 2 (c) 3 (d) 4	1
30	Which of the following is the mean of the given data? (a) The middle value of the data arranged in ascending or descending order. (b) The value of the observation occurring most frequently. (c) The sum of all the values of the data divided by the total	1

	number of values. (d) None of these.	
31	Which of the following statements is false? (a) Two vertically opposite angles can be acute (b) Two vertically opposite angles can be obtuse (c) Two vertically opposite angles can be right angles (d) Two vertically opposite angles may be unequal	1
32	The angles in a linear pair are (a) complementary (b) supplementary (c) not adjacent angles (d) vertically opposite angles	1
33	The sum of two complementary angles is: (a) 90° (b) 180° (c) 360° (d) Any angle between 180° and 360°	1
34	If $\triangle ABC = \triangle PQR$, then \overline{BC} corresponds to (a) \overline{PQ} (b) \overline{QR} (c) \overline{RP} (d) none of these	1
35	We want to show that $\triangle ART = \triangle PEN$ and we have to use SSS criterion. We have $AR = PE$ and $RT = EN$. What more we need to show? (a) $AT = PN$ (b) $AT = PE$ (c) $AT = EN$ (d) none of these	1
36	Percentages are numerators of fractions with denominator — (a) 1000 (b) 100 (c) 10 (d) none	1
37	Out of 30 students, 6 are absent. What per cent of the students are absent? (a). 20% (b). 25% (c). 30% (d)none	1
38	If Cost Price is greater than the selling price, then you have a — (a) Profit (b). Loss (c). No profit no loss. (d) none	1

39	The ratio of 20 days to 72 hours is (a) 2 : 1 (b) 3 : 20 (c) 4 : 5 (d) 20 : 3	1
40	The cost of 7 kg of potatoes is ₹ 42. How many kg of potatoes can be purchased for ₹ 96? (a) 10 kg (b) 12 kg (c) 15 kg (d) 16 kg	1

Note : Send clear and readable answer papers in pdf format as one attachment to the gmail id of subject teacher.

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