CLASS - 8

FILL IN THE BLANKS :

1. $\frac{-19}{5}$ lies between the integers _____ and _____.
2. The decimal form of the rational number $\frac{15}{4}$ is _____.
3. The rational numbers $\frac{-8}{3}$ and $\frac{8}{3}$ are equidistant from _____.
4. The next rational number in the sequence $\frac{-15}{24}, \frac{20}{-32}, \frac{-25}{40}$ is _____.
5. The standard form of $\frac{58}{-78}$ is _____.
6. The value of $\frac{-5}{12} + \frac{7}{15} =$ _____.
7. The value of $\left(\frac{-3}{6}\right) \times \left(\frac{18}{-9}\right)$ is _____.
8. The rational number _____ doesnot have a reciprocal.
9. The value of $\left[\frac{-15}{23}\right] \div \left[\frac{30}{-46}\right]$ is _____.
10. The multiplicative inverse of -1 is _____.
11. The ones digit in the square of 77 is _____.
12. The number of non-square numbers between 24 and 25 is _____.
13. The number of perfect square numbers between 300 and 500 is _____.
14. If a number has 5 or 6 digits in it, then its square root will have ____ digits.
15. The value of $\sqrt{180}$ lies between integers ____ and ____.
16. The ones digit in the cube of 73 is _____.
17. The maximum number of digits in the cube of a two digit number is ____
18. The smallest number to be added to 333 to make it a perfect cube is _____.
19. The cube root of 540×50 is _____.
20. The cube root of 0.000004913 is _____.
21. $(-1)^{\text{even integer}}$ is _____.
22. For $a \neq 0$, a^0 is _____.
23. $4^{-3} \times 5^{-3} =$ _____.
24. $(-2)^{-7} =$ _____.
25. $\left[-\frac{1}{3}\right]^{-5} =$ _____.
26. The ratio between the circumference and diameter of any circle is _____.
27. A line segment which joins any two points on a circle is a _____
28. The longest chord of a circle is _____.
29. The radius of a circle of diameter 24cm is _____.
30. A part of circumference of a circle is called as _____.

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31. The three dimensions of a cuboid are _____, _____ and _____.

32. The meeting point of more than two edges in a polyhedron is called as _____.

33. A cube has _____ faces.

34. The cross section of a solid cylinder is _____.

35. If a net of a 3-D shape has six plane squares then it is called _____.

36. $\frac{18m^4(\_)}{2m^3n^3} = \_\_\_\_ mn^5$.

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37. $\frac{l^4m^5n^{(\ )}}{2l^{(\ )}n^6} = \frac{l^3m^2n}{(\ )}$

38. $\frac{42a^4b^5(\ )}{6a^4b^2} = (\ )b^{(\ )}c^2$

39. The value of x in the equation $x+5=12$ is _____.

40. The value of y in the equation $y-9=(-5)+7$ is _____.

41. The value of m in the equation $8m=56$ is _____.

42. The value of p in the equation $\frac{2p}{3}=10$ is _____.

43. The linear equation in one variable has _____ solution.

44. The sdution of the equation $ax+b=0$ is _____.

45. If a and b are positive integers than the solution of the equation $ax=b$ has to be always _____.

46. One-sixth of a number when subtracted from the number itself gives 25. The number is _____.

47. If the angle of a triangle are in ratio 2:3:4 then the difference between the greatest and smallest angle is _____.

48. In an equation $a+b=23$. The value of a is 14 then the value of b is _____.

49. X axis and Y-axis intersect at _____.

50. The coordinates of the point in third quadrant are always _____.

51. (0,5) point lies on _____ axis.

52. The x-coordinates is always _____ on the Y-axis.

53. _____ coordinates are the same for a line parallel to Y-axis.

54. $y=px$ where $p \in Z$ always passes through the _____.

55. The intersecting point of the line $x=4$ and $y=-4$ is _____.

56. Scale for the given graph,

On the x axis 1 cm = _____ units

y axis 1 cm = _____ units.

57. If 30% of x is 150, then x is _____

58. 2 minutes is ____ % to an hour.

59. If x % of $x = 25$, then $x =$ _____.

60. In a school of 1400 students, there are 420 girls. The Percentage of boys in the school is _____.

61. 0.5252 is ____ %.

62. Loss or gain percentage is always calculated on the _____.

63. A mobile phone is sold for ₹8400 at a gain of 20%. The Cost price of the mobile phone is ____.

64. An article is sold for ₹555 at a loss of $7\frac{1}{2}$ %. The cost price of the article is _____

65. A mixer grinder marked at ₹4500 is sold for ₹4140 after discount. The rate of discount is _____.

66. The total bill amount of a Shirt, costing ₹575 and a T-Shirt costing ₹325 with GST of 5% is _____.

67. The Compound interest on ₹5000 at 12% p.a for 2 years, Compounded annually is _____.

68. The Compound interest on ₹8000 at 10% p.a for 1 year, Compounded half yearly is _____.

69. The annual rate of growth in population of towns in 10% if its present population is 26620, then the population 3 years ago was _____. — S. PURATCHIVENDHAN M.Sc., M.Ed., M.Phil.

70. If the Compound interest is calculated quarterly, the amount is found using the formula is _____.

71. The difference between the C.I and S.I for 2 years for a principal of ₹5000 at the rate of interest 8% p.a is _____.

72. A can finish a job in 3 days whereas B finishes it in 6 days. The time taken to complete the job working together is _____ days.

73. If 5 persons can do 5 jobs in 5 days, then 50 persons can do 50 jobs in _____ days.

74. A can do a work in 24 days. If A and B together can finish the work in 6 days, then B alone can finish the work in _____ days.

75. A alone can do a piece of work in 35 days. If B is 40% more efficient than A, then B will finish the work in _____ days.

76. A alone can do a work in 10 days and B alone in 15 days. They undertook the work for ₹ 200000. The amount that A will get is _____.

77. Corresponding sides of similar triangle are _____

78. Similar triangles have the same ____ but not necessarily the same size.

79. In any triangle _____ sides are opposite to equal angles.

80. The Symbol ≡ is used to represent _____ angles.

81. The Symbol ~ is used to represent _____ triangle.

82. If in a ΔPQR, $PR^2 = PQ^2 + QR^2$, then the right angle of ΔPQR is at the vertex _____

83. If 'l' and 'm' are the legs and 'n' is the hypotenuse of a right angled triangle then, l^2 = _____

84. If the sides of a triangle are in the ratio 5 : 12 : 13 then it is _____

85. The medians of a triangle cross each other at _____

86. The centroid of a triangle divides each medians in the _____ ratio.

87. Data has already been collected by some other person is _____ data.

88. The upper limit of a class interval (25-35) is _____

89. The range of the data 200, 15, 20, 103, 3, 196, is _____

90. If a class size is 10 and range is 80 then the number of classes are _____

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91. Pie chart is a _____ graph.

92. The total area of the histogram is _____ to the total frequency of the given data.

93. A graph that displays data that changes continuously over the periods of time is _____

94. Histogram is a graphical representation of _____ data.

95. GZNRO = _____

96. VMTORHS = _____

97. NZGSVNZGRXH = _____

98. HXRVMXV = _____

99. HLXRZO HXRVMXV = _____

ANSWERS:

1.	-4 and -3
2.	-3.75
3.	0
4.	30/-48
5.	-29/39
6.	1/20
7.	1
8.	1
9.	0
10.	-1
11.	9
12.	48
13.	5
14.	3
15.	13 and 14
16.	7
17.	6
18.	42
19.	30
20.	0.017
21.	1
22.	1
23.	20^{-3}
24.	$-1/128$
25.	-243
26.	π
27.	chord
28.	diameter
29.	12cm
30.	Circular arc.
31.	length, breadth, height
32.	vertex
33.	six
34.	Circle
35.	cube
36.	$n^8, 9$
37.	$n^7, m^3, 2$
38.	$c^2, 7, b^3$
39.	$x = 7$
40.	$y = 11$
41.	$m = 7$
42.	$p = 15$
43.	one
44.	$x = -b/a$
45.	positive
46.	$x = 30$
47.	40°
48.	$b = 9$
49.	origin (0,0)
50.	negative
51.	Y
52.	0
53.	x
54.	origin
55.	(4, -4)
56.	3, 25
57.	500
58.	$3\frac{1}{3}$
59.	50
60.	70%
61.	52.52%
62.	Cost price
63.	₹7000
64.	₹600
65.	8%
66.	945
67.	1272
68.	820
69.	20,000
70.	$A = P\left[1 + \frac{r}{400}\right]^{nT}$
71.	₹32
72.	2 days
73.	5 days
74.	8 days
75.	25 days
76.	120000
77.	In proportion
78.	Shape
79.	Equal
80.	Congruent
81.	Similar
82.	Q
83.	$n^2 - m^2$
84.	a right angled triangle
85.	centroid
86.	2:1
87.	secondary
88.	35
89.	197
90.	8
91.	Circular
92.	proportional
93.	histogram
94.	Grouped
95.	TAMIL
96.	ENGLISH
97.	MATHEMATICS
98.	SCIENCE
99.	SOCIAL SCIENCE