

## (Syllabus and Sample Question Paper) **Class-VIII**

Rational Number, Powers, Square and Square Root, Cube and Cube Root, Algebraic Expression, Factorization, Linear Equation, Variation, Time and Work, Percentage, Profit and Loss, Compound Interest and Simple Interest, Mensuration, Statistics, Probability, Mathematical Reasoning and Logical Ability, Mathematical Reasoning, Everyday Mathematics The Actual Question Paper Contains 40 Questions. The Duration of the Test Paper is 60 Minutes

The following pie chart represents the amount spent on different sports by a school 1. administration in a calender year. If the money spent on football is ₹9000 then what is the total amount spent on sports?



2. (A) 95 (B) 97 (C) 98 (D) 96

- (E) None of these
- 3. **Read the statement given below :**

## Statement : The sum of two rational number is always a rational number. Above Statement tells which of the following property of rational number?

(A) Associative property

- (B) Commutative Property
- (C) Existence of additive identity

(E) None of these

(D)Closure property

4.	A cube has 6 faces, 12 edges and 8 vertices						
	Vertex(v)						
	Eace (F)						
	$\rightarrow$ Edge (E)						
	Which of the following is true for a cuboid ?						
	(A) 12F, 8E, 6v (B) 6F, 12E, 8v	(C) 8F, 6E, 12v	(D) 12F, 6E, 8v				
	(E) None of these						
5.	If the ratio of interior angle to exterior angle of a regular polygon is 7:2, then the number						
	of sides of polygon is ?						
	(A) 8 (B) 9	(C) 10	(D) 11				
	(E) None of these						
6.	The mode of following data is :						
	Scores     20     21     22     24     25						
	Frequency     2     4     10     2     6						
	(A) 21 (B) 22	(C) 23	(D) 24				
	(E) None of these						
7.	A box contains blue and red coloured balls. The probability of getting red ball is :						
	R B R B B B	2					
	B R B R B R R R Red						
	B R B R B R B						
	BRBRBR						
	(A) <sup>16</sup> (B) <sup>13</sup>	(C) = 6	(D) $12$				
	(A) $\frac{1}{42}$ (B) $\frac{1}{42}$	(C) $\frac{1}{25}$	(D) $\frac{1}{25}$				
	(E) None of these						
8.	Which of the following is a square number?						
	(A) 1057 (B) 7928	(C) 23453	(D) 221841				
	(E) None of these						
9.	If the area of a square field is 533.61 square meter, then its perimeter (correct to 2 decimal						
	places) is ?		,				
	(A) 92.40 m (B) 92.65 m	(C) 93.00 m	(D) 93.93 m				
	(E) None of these						
10.	Find the cube root of 29791 ?						
	(A) 31 (B) 41	(C) 29	(D) 19				
	(E) None of these						

11.	The smallest numbers by which 6561 must be multiplied so that the product will be a perfect cube is?					
	(A) 3	(B) 7	(C) 9	(D) 11		
	(E) None of these					
12.	The value of $(x - y) (x + y) (x^2 + y^2) (x^4 + y^4)$ is?					
	(A) $x^8 - y^8$	(B) $x^8 + y^8$	(C) $x^6 - y^6$	(D) $x^6 + y^6$		
	(E) None of these					
13.	The value of y such that $\frac{y}{10} + \frac{2y}{5} - \frac{16}{25} = \frac{1}{25}$ is?					
	(A) $\frac{17}{25}$	(B) $\frac{34}{25}$	(C) $\frac{45}{25}$	(D) $\frac{46}{25}$		
	(E) None of these					
14.	A cricket team wins 12 of the total match it played. If this is the 40% of the total match in the tournament, then find the total match played in the tournament?					
	(A) 24	(B) 26	(C) 22	(D) 30		
	(E) None of these					
15.	Mary deposited Rs. 3500 in a bank and received Rs. 3850 after 5 years at a certain rate of interest fixed by the bank. The rate of interest fixed by the bank is?					
	<ul><li>(A) 3 %</li><li>(E) None of these</li></ul>	(B) 2 %	(C) 4 %	(D) 5 %		

ANSWERS								
1.	С	2. B	3. D	4. B	5. B			
6.	В	7. D	8. D	9. A	10. A			
11.	С	12. A	13. B	14. D	15. B			