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CLASS: 8 SAMPLE QUESTIONS

The Actual Question Paper Contains 50 Questions. The Duration of the Test Paper is 60 Minutes.

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1.	A sum amounts to ₹7458 in 4 years and ₹8362 in 6	7.	Examine the following three figures given below in which the number follows a specific pattern:				
	years at a certain rate of simple interest. Find the sum.						
	(A) ₹ 5630 (B) ₹ 5050		28 48 79				
	(C) ₹ 5650 (D) ₹ 5030						
2.	If K = 7 – $4\sqrt{3}$, then find the value of $(\sqrt{K} + \sqrt{3})^{\frac{3}{2}}$.		37 46 53 58 ? 71				
	(A) $\sqrt{2}$ (B) $2\sqrt{2}$ (C) $\sqrt{3}$ (D) $2\sqrt{3}$		The missing number in the third figure given above is				
3.	If p, q, r and s are four different positive integers selected from 1 to 50, then find the highest possible		(A) 65 (B) 75 (C) 30 (D) 68				
	· · · ·	8.	Read the statements given below:Statement I: $(123456 \times 123460) > (123458)^2$ Statement II: $(64)^{13} > (127)^{11}$				
	value of $\frac{(p+q)+(r+s)}{(p+q)+(r-s)}$.						
	(A) 91 (B) 101 (C) 194 (D) 107						
4.	What must be added to the following algebraic		Statement III: $4^{32} > 64^{11}$				
4.	expression to make it a perfect square?		Based on the above statements choose the correct				
			option:				
	$\frac{5x^2}{64} - \frac{3\sqrt{40}x}{20} + \frac{22}{25}$		(A) Only statement I is true				
	64 20 25		(B) Only statement II is true				
	(A) $\frac{28}{25}$ (B) 1 (C) 2 (D) $\frac{51}{25}$		(C) All the statements I, II and III are true				
	(25) (0)		(D) All the statements I, II and III are false				
5.	If the eight digit number 5671a118 is exactly divisible	9.	If $p : q = 4 : 5$, $q : r = 6 : 7$ and $r : s = 3 : 4$, then on dividing				
	by 222, then find the least possible value of <i>a</i> .		₹ 7733 among p, q, r and s, the amount of q will be:				
	(A) 0 (B) 2 (C) 3 (D) 4		(A) ₹1710 (B) ₹1468				
6.	In the figure given below, PQRS and QMNO are two		(C) ₹1620 (D) ₹1805				
	identical squares with side length of 8 cm, and A is the		(E) None of these				
	mid-point of PS and MN, find the area of the hexagon	10.	The numbers are arranged in the diagram as shown				
	QRSANOQ.		below:				
	$\hat{\mathbf{x}}$		X				
	8 cm						
			a b				
			c 24 d				
	A 8 cm						
	S R		If the number in any box is equal to the sum of the				
	(A) 80 cm ² (B) 96 cm ²		numbers in the boxes immediately below it, like X = a +				
		1	b, a = c + 24 and so on. Find the value of 'X'.				
	(C) 112 cm^2 (D) 78 cm^2		(A) 100 (B) 64 (C) 88 (D) 90				

ANSWERS										
1. (C)	2. (B)	3. (B)	4. (C)	5. (D)	6. (B)	7. (B)	8. (B)	9. (A)	10. (C)	