



INDIAN SCHOOL AL WADI AL KABIR

Post Mid-Term Revision Worksheet

Class: VIII

Sub: MATHEMATICS

Max Marks: 30

Instructions:

Section A: Multiple Choice Questions (Q.1 to Q.8)

Section B: Source based questions (Q.9 to Q.12)

Section C: Long Answer Questions (Q.13 to Q.16)

Section D: 4 Marks Question & Case study Question (Q.17 to Q.18).

Section A: Multiple Choice Question (Q.1 to Q.8) of 1 mark each							
1.	The value of $\sqrt[3]{125} \times \sqrt[3]{1331}$						
	A	65	B	55	C	30	D 75
2.	The volume of the cube whose surface area is 294cm^2						
	A	424cm^3	B	249cm^3	C	343cm^3	D 433cm^3
3.	36 workers can complete a job in 12 days. How many more workers are required to complete the same job in 8 days?						
	A	18	B	28	C	22	D 21
4.	Which of the following numbers have 7 as unit place digit in its cube root?						
	A	12167	B	6859	C	3375	D 50653
5.	The area of rhombus is 216cm^2 . If one of the diagonals is 24cm, the length of other diagonal is						
	A	16cm	B	18cm	C	17cm	D 22cm
6.	The smallest number added to 720 to get a perfect cube						

	A	8	B	5	C	4	D	9
7.	If x and y vary directly, when $x = 12$, $y = 84$. The value of y if x is 16							
	A	112	B	132	C	121	D	154
8.	The curved surface area of a cylindrical pillar is 161m^2 . If the height is 7m its base perimeter is							
	A	25m	B	23m	C	183	D	14m
Section B: Source based questions (Q.7 to Q.11) of 1 mark each Mr. Sumit wants to renovate hall of his house before Diwali celebration. He wants to white wash the hall of length 7m, breadth 6.5m and height 5m. Based on the information answer the following questions.								
9.	The area of 4 walls of the hall is:							
	A	156cm^2	B	144 m^2	C	135 m^2	D	153m^2
10.	The cost of white washing the four walls at the rate of ₹25 is:							
	A	₹3375	B	₹3735	C	₹5335	D	₹7535
11.	He needs to lay a carpet on the floor, the area of carpet needed is:							
	A	35m^2	B	45.5m^2	C	32.5m^2	D	35.5m^2
12.	He decorated the wall with a rhombus shaped wall hanger of diagonals 12cm and 21cm. The area covered by the wall hanger is:							
	A	216cm^2	B	64cm^2	C	121cm^2	D	126cm^2
Section C: Long Answer Questions (Q13 to Q.16)								
13.	Check whether 1512 is a perfect cube or not? (2m)							
14.	The cost of 2.5 m cloth is ₹142.50. find the length of cloth that can be bought for ₹541.50. (2m)							

15.	Find the least number by which 26136 to be multiplied to get a perfect cube. (3m)												
16.	Rahul wants to cover a cuboidal box of length 20cm, breadth 12cm and height 8cm with gift paper for exhibition purpose. How much paper is required to cover such 5 boxes? (3m)												
Section D: Long Answer Question of 4 marks &Case study (Q.17& Q.18)													
17.	Assume that the railway fare is directly proportional to the distance of the journey. The table shows distance and the fare. Find the missing values. <table><tr><td>Distance in Km</td><td>200</td><td>600</td><td>b</td><td>840</td><td>d</td></tr><tr><td>Fare in ₹</td><td>250</td><td>a</td><td>900</td><td>c</td><td>1200</td></tr></table>	Distance in Km	200	600	b	840	d	Fare in ₹	250	a	900	c	1200
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18.	Case Study: Sushmita is fond of playing with building blocks. It develops coordination and motor skills and builds imagination. She made a cube with the building blocks. Based on the information answer the following questions. I. The side length of the cube is 8cm. Find its total surface area. II. What is its volume? III. How many such cubes can be packed in a cuboidal box of dimensions 16 cm ×24cm×32cm												

Answers

Q1. B	Q2. C	Q3. A	Q4. D	Q5. B
Q6. D	Q7. A	Q8. B	Q9. C	Q10. A
Q11. B	Q12. D	Q13. No	Q14. 9.5 m	Q15. 11
Q16. 4960cm ²	Q17. a= 750 b= 720 c= 1050 d= 960	Q18. I. 384cm ² II. 512cm ³ III. 24		