

# INDIAN SCHOOL AL WADI AL KABIR


Class VIII, Mathematics

## WORKSHEET- (MCQ)

### Multiple Choice questions

Q.1.	If the volume of a cube is $512 \text{ cm}^3$ , then the length of its side is:							
	A	12	B	16	C	2	D	8
Q.2.	The cube root of 4096 is:							
	A	24	B	12	C	16	D	14
Q.3.	The smallest natural number by which 5184 must be divided so that the quotient is a perfect cube:							
	A	3	B	2	C	7	D	4
Q.4.	Which of the following is not a perfect cube?							
	A	216	B	294	C	3375	D	512
Q.5.	The cube of an odd number is always:							
	A	Even	B	Odd	C	Prime number	D	None of these
Q.6.	$\sqrt[3]{125 \times 1331}$ is:							
	A	15	B	33	C	55	D	25
Q.7.	By what least number should 648 be multiplied to get a perfect cube?							
	A	2	B	3	C	8	D	9
Q8.	The cube root of 9261 is:							
	A	21	B	41	C	31	D	29
Q9	The value of $(0.7)^3$ is:							
	A	0.433	B	0.343	C	0.373	D	0.243
Q10	Which of the following is a cube of an odd natural number?							
	A	216	B	312	C	729	D	1728

### FILL IN THE BLANKS

Q11	The ones digit of the cube of 97 is: _____.							
Q12	If $m^3 = 2197$ , then the value of m is: _____.							
Q13	Number of cuboids of dimensions 7 cm, 3 cm and 7 cm are required to make a cube is: _____.							
Q14	The value of $\sqrt[3]{8000} \times \sqrt[3]{1000}$ is: _____.							
Q15	If $y^3 + 12 = 1343$ , then the value of y is: _____.							
<p>CASE STUDY: Levi was placing a magical cuboidal shaped lamp on her garden. The dimension of the lamp is 17cm, 15cm and 17cm.</p>								
								
Q 16	Find the number of cuboids with same dimension to make a perfect cube:							
	A	4335	B	3825	C	255	D	225
Q 17	Find the least number to be multiplied to make it as a perfect cube:							
	A	$15 \times 15 \times 15$	B	$17 \times 17 \times 17$	C	$17 \times 15 \times 15$	D	$17 \times 17 \times 15$
Q 18	Find the least number to be subtracted to make it as a perfect cube:							
	A	240	B	329	C	578	D	239
Q 19	Find the least number to be added to make it as a perfect cube:							
	A	587	B	578	C	580	D	785
Q 20	If the dimension of the cuboid was 11cm×11cm×7 cm, how many such cuboids will arrange to form a cube:							
	A	539	B	847	C	154	D	242

## ANSWERS

1.	D	2.	C	3.	A	4.	B
5.	B	6.	C	7.	D	8.	A
9.	B	10.	C	11.	3	12.	13
13.	63	14.	200	15.	11	16.	B
17.	C	18.	D	19.	B	20.	A