INDIAN SCHOOL AL WADI AL KABIR

Class VIII, Mathematics

Post midterm Revision worksheet (with answers)

10-01-2021

OBJECTIVE TYPE (1 Mark)

Q.1.	What is the unit digit of the cube of 216?							
	A	6	**B**	9	**C**	3	**D**	2
Q.2.	The value of $(-9)^3$							
	A	729	**B**	-729	**C**	27	**D**	-27
Q.3.	$\sqrt[3]{\frac{125}{64}} =$							
	A	$\frac{9}{8}$	**B**	$\frac{25}{4}$	C	$\frac{5}{4}$	**D**	$\frac{15}{6}$
Q.4.	The volume of a cube is 8000m^3 . Find the side of the cube.							
	A	20 m	**B**	30 m	**C**	10 m	**D**	9 m
Q.5.	Cube root of 0.000216 is							
	A	0.008	**B**	0.6	**C**	0.06	**D**	6
Q.6.	If $11x^3$ = 3773, find x							
	A	9	**B**	13	**C**	7	**D**	3
Q.7.	What is the smallest no. by which 1372 must be multiplied so that the product is a perfect cube number.							
	A	7	**B**	2	**C**	5	**D**	4

Q.8.	Meera makes a cuboid of plasticine of sides 7cm, 4cm and 2cm. How many such cuboids will she need to form a cube?						
	A	20	**B**	50	**C**	49	**D**	5
Q.9.	An item marked at ₹ 960 is sold for ₹ 720. The discount % is:						
	A	10%	**B**	15%	**C**	20%	**D**	25%
Q.10	what should be the percentage of gain on a product when it is sold for ₹ 250 with a gain of ₹ 50.						
	A	5%	**B**	25%	**C**	20%	**D**	15%
Q.11	A sofa-set was bought for ₹5000. Its value depreciated at the rate of 10% per annum. Find its value after one year.						
	A	₹ 6000	**B**	₹ 5500	**C**	₹ 4500	**D**	₹ 5400
Q.12	If 20% of x is 25, then the value of x is ----------						
	A	50	**B**	125	**C**	225	**D**	5000
Q.13	A shop gives 20% discount. What would be the sale price of a dress marked at ₹560?						
	A	₹ 196	**B**	₹ 360	**C**	₹ 440	**D**	₹ 448
Q.14	Anu has ₹ 1200 with her. She spent 80% amount she had. How much money is left with her?						
	A	₹ 960	**B**	₹ 240	**C**	₹ 200	**D**	₹ 480
Q.15	If 60% of the students are good in mathematics out of 40 students. Then the number of students not good at mathematics is:						
	A	16	**B**	24	**C**	20	**D**	8
Q.16	The cost of the article was ₹ 25,500 and ₹ 500 was spent on its repairing. If it is sold for a profit of 15%. The selling price of the article is:						
	A	₹ 26000	**B**	₹ 29900	**C**	₹ 3900	**D**	₹ 28000
Q.17	If x and y are inversely proportional then						
	A	$\frac{x}{y} = k$	**B**	$xy = k$	**C**	$\frac{x}{y} = xy$	**D**	$All\ of\ them$

Q.18 If x varies inversely as y, then the value of a and b are:

	Walking	Running	Cycling	By car
Speed in km/hour**(x)**	3	6	**a**	45
Time taken (in minutes) **(y)**	30	**b**	10	2

	A a=9, b=15	**B** a=15, b=9	**C** a=90, b=30	**D** a=30, b=10

Q.19 If x and y are directly proportional and when x = 17, y = 51, which of the following is not a possible pair of corresponding values of x and y?

	A 1 and 3	**B** 13 and 39	**C** 6 and 18	**D** 30 and 10

Q.20 If 8 persons can finish a job in 20 days, then 4 persons will finish the same job in ___ days

	A 10	**B** 20	**C** 40	**D** 24

Q.21 If 7 pumps can empty a reservoir in 35 hours, then find the time required by 49 such pumps to empty the same reservoir?

	A 7 hours	**B** 5 hours	**C** 14 hours	**D** 21 hours

Q.22 40 cows can graze a field in 9 days. How many cows will graze the same field in 12 days

	A 50	**B** 10	**C** 30	**D** 49

Q.23 A tree of height 9 m 80 cm casts a shadow 1 m long. Also, it is given that the lengths of the shadows are directly proportional to their heights. Find the length of the shadow cast by tree of 4 m 90 cm high with the same circumstances?

	A 200 cm	**B** 2 m	**C** 50 cm	**D** 98 m

Q.24 The cost of 24 kg of metal is ₹ 1,080, then the cost of 80 kg of metal of the same quality is:

	A ₹ 3600	**B** ₹ 3240	**C** ₹ 1920	**D** ₹ 4900

Q.25 If x and y vary directly, then the value of 'a 'is:

X	18	a
Y	54	18

	A 54	**B** 1	**C** 3	**D** 6

Fill in the blanks(1mark)	
Q26.	The perfect cube lies between 60 and 70 is ----------
Q27.	The smallest number to be subtracted from 145 to get a perfect cube is -------
Q28.	The ratio 1:5 can be written as----------percentage.
Q29.	The ratio of speed of a scooter 22 km/ hour to the speed of a car 110 km/ hour is---------
Q30.	Amrita takes 18 hours to travel 720 kilometers. Time taken by her to travel 360 kilometers is ----------

Answers

Answers	**1**	6	**2**	-729	**3.**	$\frac{5}{4}$	**4**	20m
	5	0.06	**6**	7	**7**	2	**8**	49
	9	25%	**10**	25%	**11**	₹4500	**12**	125
	13	₹448	**14**	₹240	**15**	16	**16**	₹29900
	17	$xy = k$	**18**	a=9, b=15	**19**	30 and 10	**20**	40
	21	5 hours	**22**	30	**23**	50 cm	**24**	₹ 3600
	25	6	**26**	64	**27**	20	**28**	20%
	29	1:5	**30**	9 hours				

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