Multiple Choice questions

Q.1	An electric pole, 14m high, casts a shadow of 10m. Find the height of a tree that casts a shadow of 15m under similar conditions.						
	A	29m	B	19m	C	21m	D	20m

Q.2	The perimeter of a square and its side is in:						
	A	Direct Proportion	B	Inverse Proportion	C	Neither direct nor inverse	D	Cannot be determined

Q.3	If 100 students took 20 days to clean a garden. How many days it will take to clean the garden if 25 more students are added?						
	A	10	B	12	C	18	D	16

Q.4	A garrison of 300 men had food for 20 days. However, 50 men leave. Now the food will last:						
	A	26 days	B	24 days	C	120 days	D	18 days

Q.5	x and y are in direct proportion. When x is 8, y is 12. Which of the following is not a possible pair of corresponding values of x and y?						
	A	10 and 15	B	2 and 3	C	6 and 9	D	15 and 20

Q.6	The cost of 2 dozen of oranges is ₹ 48. Then the cost of 108 oranges is -------.						
	A	₹ 96	B	₹ 216	C	₹ 24	D	₹ 54

Q.7	There are 125 students in a hostel. Food provision for them is for 16 days. How long will these provisions last, if 75 more students join the group?						
	A	20 days	B	10 days	C	15 days	D	12 days

Q.8	32 men can reap a field in 15 days. Then, 20 men reap the same field in ----- number of days.						
	A	300 days	B	30 days	C	24 days	D	128 days

Q.9	A train is moving at a uniform speed of 75 km/hour. How far will it travel in 20 minutes?						
	A	25 km	B	55 km	C	150 km	D	37.5 km

Q.10	x varies inversely with y. When $x=6$, then $y= 8$. When $x= 8$, the value of y is ------.						
	A	8	B	48	C	64	D	6

Source Based Questions:

A four days scout and guide camp were arranged by the school for class 8 students. The students were so excited to go for the camp. Based on this context, answer the following question:

Q.11	The school arranged 6 buses to take 150 students to the camp. If 75 more students are joined, how many buses are required in all?						
	A	3	B	10	C	9	D	15

Q.12	In the camp, they assigned some jobs to the students. 45 persons complete a job in 20 minutes. How many minutes will 30 persons take to complete the same job?						
	A	15	B	30	C	90	D	45

Q.13	If 9 students can make a tent in $1\frac{1}{2}$ hours, how many students are required to make a tent in 45 minutes?						
	A	18 students	B	90 students	C	5 students	D	32 students

Q.14	The camp has enough food for 150 students for 6 days. How long will the food last if 50 students were shifted to another camp?						
	A	10 days	B	12 days	C	3 days	D	9 days

Q.15	In the camp activities, there was a competition of writing words. Manvi can write 200 words in 30 minutes. How many words she will write in 12 minutes?						
	A	360 words	B	80 words	C	240 words	D	60 words

Q.16 **Case Study:**

Nita invited four friends for her birthday party. She ordered Red velvet cake, pizza and coke.

i) The cost 2 kg cake is ₹ 190. If Nita ordered 5kg cake, how much she paid for it?

ii) Each child including Nita had four pieces of pizza. Then the total number of pieces consumed by all four students are:

iii) She planned to buy 10 bottles of coke for the party. After sometimes 7 more friends joined with her party. So, how many bottles of coke she has to order?

iv) The rent of party hall for ₹ 1200 for 2 hours. Nita's party started at 5:00 pm and ended by 8:30 pm. what amount did she pay for the party hall?

ANSWERS

1.	C	2.	A	3.	D	4.	B
5.	D	6.	B	7.	B	8.	C
9.	A	10.	D	11.	C	12.	B
13.	A	14.	D	15.	B	16.	i) ₹ 475, ii)20, iii)24 iv) ₹ 2100