## DELHI PUBLIC SCHOOL, JAMMU Assignment

Class: XI

Sub: Applied Maths					
Month:May					
TOPIC	:Numbers.				
Based	on your understanding	of e-lectures-cum-PPTs,	video links and other-e	-resources share	
withyo	u,answer the following	question.			
Choose	e the correct answer fro	om the given MCQ:			
Q1.	A can do a piece of work in 9 days and B can do the same work in 18 days. They begin together but A goes away after three days of beginning. The number of days in which B can finish the remaining work is				
	a. 6 days	b. 8 days	c. 9 days	d. 12 days	
Q2.	Ramu is twice efficient as Komal. They together can finish a piece of work in 50 days. In how many day Komal can finish the same work alone?				
	a. 75 days	b. 150 days	c. 160 days	d. 180 days	
Q3.	A and B together can do a piece of work in 10 days. C can do the same work alone in 15 days. If A, B and C work together, then number of days to finish the work is				
	a. 6 days	b. 5 days	c. 4 days	d. 8 days	
Q4.	A and B take a contract to finish a piece of work for Rs. 450. A can alone do the work in 10 days and B can alone do it in 20 days. With the help of C, they finish the work in 4 days. What amount should be paid to C for his contribution?				
	a. Rs. 90	b. Rs. 60	c. Rs. 180	d. Rs. 120	
Q5.	Two persons start from the same place walking at the speed of 4 km/h and 5 km/h respectively in the opposite direction. In what time they will be $36 \text{ km}$ apart?				
	a. 9 hours	b. 36 hours	c. 4 hours	d. $\frac{9}{4}$ hours	
Q6.	If a person walks at 12 km/h instead of 10 km/h, he would have walked 10 km more in the same time period. What is the actual distance travelled by him?				
	a. 60 km	b. 50 km	c. 40 km	d. 30 km	

Walking at  $\frac{6}{7}$  th of his usual speed a man is 12 minutes late. The usual time to cover the distance Q7. a. 1 hour 12 min b. 1 hour 20 min c. 48 min d. 1 hour Q8. Prasha is riding on his cycle and has calculate to reach at certain place at 2:00 p.m. if he travels at 10 km/h. He will reach there at 12:00 noon if he travels at 15 km/h. At what speed must be travel to reach that place at 1:00 p.m.? a. 11 km/h b. 12 km/h c. 13 km/h d. 14 km/h Q9. A train covered first 120 km at a speed of 20 km/h and then covered 180 km at a speed of 30 km/h. Its average speed is a. 25 km/h b. 27 km/h c. 28 km/h d. 26 km/h O10. A car travels for 2 hours at a speed of 40 km/h and then travels at 50 km/h for next 2 hours. What is the average speed of car? a. 45 km/h b. 44.44 km/h c. 48 km/h d. 47 km/h

## Due date of submission of assignment 20 May,2021

send your assignment on e-mail ID of your respective subject teacher

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Students must mention their name, class/section and date in their assignment.

your assignment will be marked for internal/term assessment. Therefore you are required to submit it on time.

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