# DELHI PUBLIC SCHOOL, JAMMU <br> 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

## withyou,answer the following question.

## Choose the correct answer from 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 $\mathrm{A}, \mathrm{B}$ 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 $4 \mathrm{~km} / \mathrm{h}$ and $5 \mathrm{~km} / \mathrm{h}$ respectively in the opposite direction. In what time they will be 36 km apart?
a. 9 hours
b. 36 hours
c. 4 hours
d. $\frac{9}{4}$ hours

Q6. If a person walks at $12 \mathrm{~km} / \mathrm{h}$ instead of $10 \mathrm{~km} / \mathrm{h}$, 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

Q7. Walking at $\frac{6}{7}$ th of his usual speed a man is 12 minutes late. The usual time to cover the distance is
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 $10 \mathrm{~km} / \mathrm{h}$. He will reach there at 12:00 noon if he travels at $15 \mathrm{~km} / \mathrm{h}$. At what speed must be travel to reach that place at 1:00 p.m.?
a. $11 \mathrm{~km} / \mathrm{h}$
b. $12 \mathrm{~km} / \mathrm{h}$
c. $13 \mathrm{~km} / \mathrm{h}$
d. $14 \mathrm{~km} / \mathrm{h}$

Q9. A train covered first 120 km at a speed of $20 \mathrm{~km} / \mathrm{h}$ and then covered 180 km at a speed of 30 $\mathrm{km} / \mathrm{h}$. Its average speed is
a. $25 \mathrm{~km} / \mathrm{h}$
b. $27 \mathrm{~km} / \mathrm{h}$
c. $28 \mathrm{~km} / \mathrm{h}$
d. $26 \mathrm{~km} / \mathrm{h}$

Q10. A car travels for 2 hours at a speed of $40 \mathrm{~km} / \mathrm{h}$ and then travels at $50 \mathrm{~km} / \mathrm{h}$ for next 2 hours. What is the average speed of car?
a. $45 \mathrm{~km} / \mathrm{h}$
b. $44.44 \mathrm{~km} / \mathrm{h}$
c. $48 \mathrm{~km} / \mathrm{h}$
d. $47 \mathrm{~km} / \mathrm{h}$

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.

