

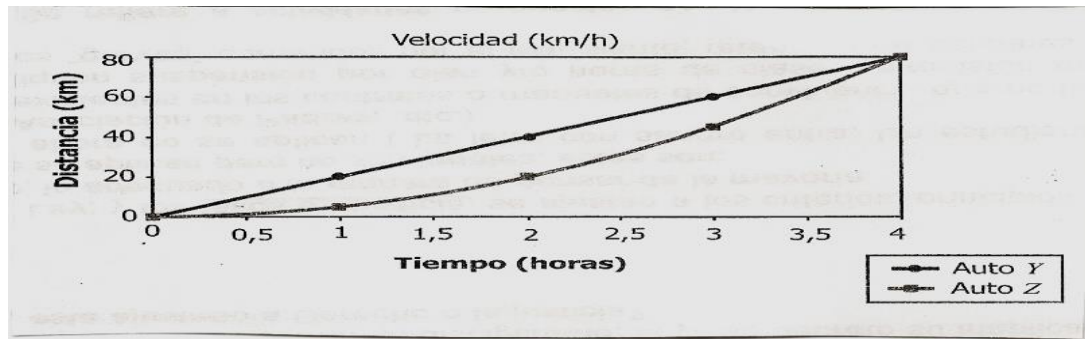


UNITED NATIONS SCHOOL I.E.D.
 PREPARATORY WORKSHOP
 SECOND TRIMESTER
 PHYSICS 6°

Copy and solve in the notebook
DELIVERY DATE JULY 15

NAME _____ GRADE _____ DATE _____

1. Carlos and Freddy have a competition in their cars. Each of them aims to go from the city to the beach. The following graph shows how the position changes in relation to time for each driver



According to the previous graph, why it is correct to affirm that car Y maintains its speed constant throughout the entire journey?

2. A car travels 150 kilometers in 2 hours. What is your average speed?
3. An airplane flies in a straight line towards the south with a speed of 12 km/min, for 15 minutes. What is the total distance traveled by the plane in that time?

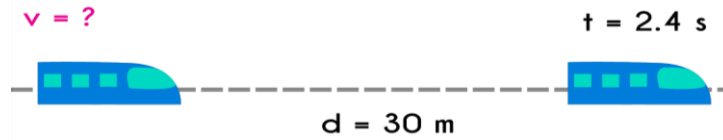


DATA	VALUE
Speed	12 Km/min
Time	15 minutes
Address	South

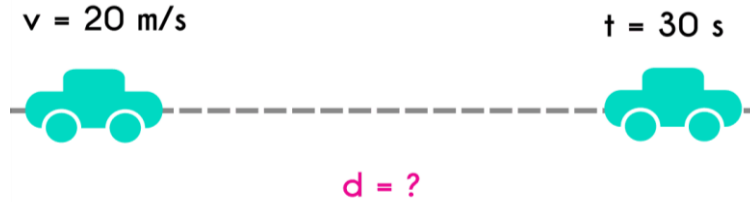
What is the distance?

$$V = \frac{D}{T} \rightarrow D = T \times V$$

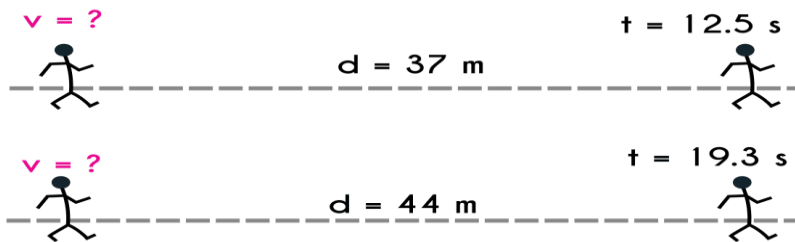
OBSERVE THE DIAGRAMS AND SOLVE THE PROBLEMS POSED



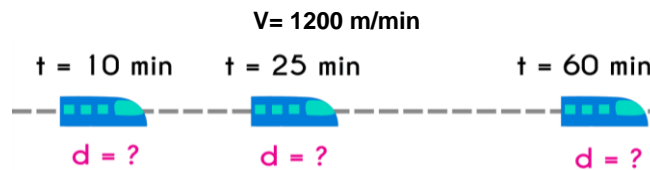
4. What is the average speed of the train?
5. What is the distance traveled by the car?



6. What is the walker's speed at 19,3 s?



7. What is the walker's speed at 12,5 s?
8. According to the next diagram, What is the distance traveled by the train when reaching position 1?



9. What is the distance traveled by the train when reaching in 25 minutes?
10. What is the distance traveled by the train in 1 hour?