STANDARD 5ᵀᴴ: CHAPTER 13

Speed – Time – Distance

Q.1   A trans takes 8 hrs. to cover 408 km. Find its speed.

Q.2   An Aeroplan completed a journey in $2\frac{1}{2}$ hrs. at speed of 480 km/hr.

   Find distance covered.

Q.3   How much time a trans will take to cover distance of 245 km at speed 70km/hr.

Q.4   To cross 1380m long bridge, Hari takes 23 min. Find his walking speed

   in km/hr.in 1 min. he covers $\dfrac{1380}{23}$ = 60m

Q.5 Geeta types 40 words per min. There are 12 words in one line and 30 lines

   in one page. How much time will she take to type one page?

Q.6 How much time will Amit take to travel distance of 1540 m at speed of 66 m/min?

Q.7.A tram takes 3 hrs. 20 min to go from A to B with speed of 60 km./hr.

   Find distance between A & B

Q.8 How much petrol should a Car hold to cover 378 km. if its consumption is

   9 km./liter?

Q.9 Sp. of light is 300,000 km/sec How much time sunrays will take to reach

   earth which is 15,00,00,000 km. away from sun?

Q.10 Ajay types 45 words/min. How much time will it take to type 15 pages if there
are 27 lines in each page & 14 words in each Line?

Q.11   Seeta covers distance of 1430 m in 22 min. Find her speed in km./hr.

Q.12   It takes 3 hrs. to reach a place at speed of 40 km./hr. What should be
       speed of a Car if one has to reach in 2 ½ hrs.?

Q.13   A clock loses 1 min./hr. If it's set at 12 noon on Monday What time it'll show
       at 12 noon Tuesday?

Q.14 A cart courier 248 bricks in a trip. How many trips it'll make to carry?
       2976 bricks?

Q.15   ABCD is a square ground of side 240m. A man started walking from
       A & completes the round. While walking on sides AB, BC, CD, DA his
       speed was 72m/mm, 60m/mm, 50m/mm & 40m/min respectively.
       Find total time required.

Q.16   20 men take 40 days to build a wall. How many days will 25 men take?
       to do the same?

Q.17   A clock was set 6.00 am on Sunday. On Monday at same time, it showed
       5.50 am. How many seconds per hr. it lost?

Q.18   3 Men complete a job in 6 days. How many days will 1 Man take for?
       same job?

Q.19   A tram runs at speed 50 km/hr. How much dist. It'll travel in 2 hrs. 54 min.

Q.20   A train running at speed of 90km/hr. covers dist. In 25 poles per min.
       Find dist. Between consecutive poles.