DATE: _____ NAME _____

Teacher: Sergey GROUP F1

Lesson topic: Speed and velocity
Science Homework

PHYSICS

1. Complete the definitions using the words in the word bank.

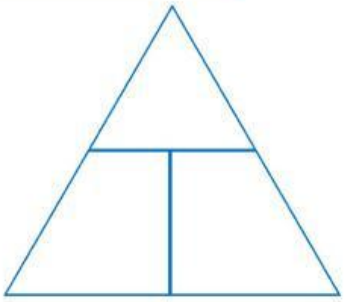
Speed is the rate at which an object _____. It is a _____.

Velocity is the rate at which an object _____its_____. It is a_____.

changes	*moves*	*covers*	*position*	*distance*
	vector	*scalar*	*displacement*	

2. Drag and drop the symbols to complete the diagram showing the relationships between distance, time and speed. Complete the formula.

v
d
t



The SI unit of speed is ☐

Speed = _____

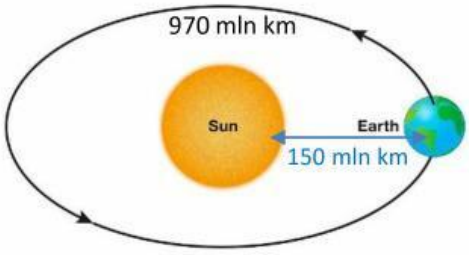
3. Solve the tasks using the formula above.

a) How fast does a person on Earth moves with it around the Sun?
Use the diagram to find the distance needed.

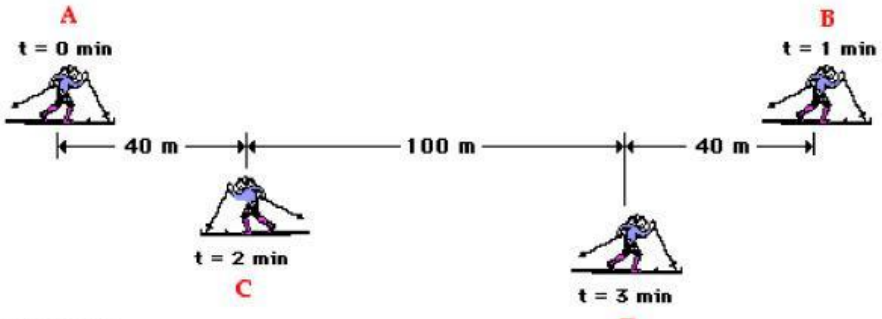
Time, days: ☐

Distance, km: ☐

Speed, km/day: ☐ **Speed, m/s:** ☐



b) Find the speed and the velocity of the skier using the diagram below. Show your work!
Write final answers using SI units!



Show your work here.

Distance =

Time =

Speed =

Velocity =

Final answer

Average speed: ☐

Average velocity: ☐

LIVEWORKSHEETS