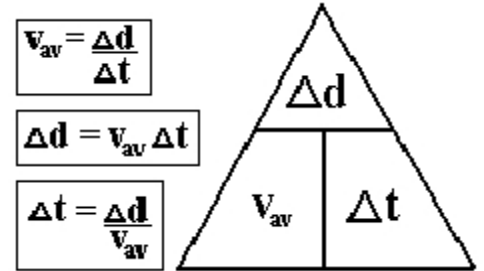


## Worksheet 15: Calculating Average Speed, Distance, and Time

### ANSWERS

1. Calculate the average speed of a car that travels 70 km in 1.5 hours.

$$v_{av} = 46.7 \text{ km/h (rounded to one decimal places)}$$



2. How long does it take a person running at a rate of 4 m/s to run a distance of 260 m?

$$\Delta t = 65 \text{ seconds}$$

3. How far would a snowmobiler travel in 0.5 hours at a rate of 25 km/h?

$$\Delta d = 12.5 \text{ km}$$

4. Melanie ran the 100 meter race in 12 seconds. What was her average speed?

$$v_{av} = 8.3 \text{ m (rounded to one decimal point)}$$

5. If a boat sailed for 6 hours at an average speed of 55 km/h, what distance did the boat travel?

$$\Delta d = 330 \text{ km}$$

6. How much time did it take a plane flying at 575 km/h to travel a distance of 1700 km?

$$\Delta t = 2.96 \text{ hours (rounded to two decimal places)}$$

$$\Delta t = 3.0 \text{ hours (rounded to one decimal point)}$$