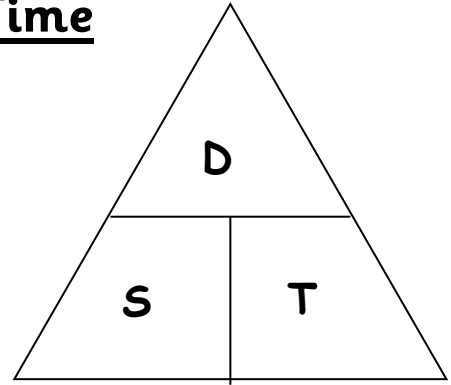


# Speed, Distance, Time

$$\text{Distance} = \text{Speed} \times \text{Time}$$

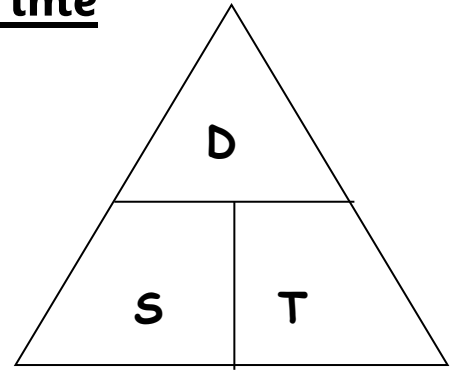


## Exercise 1

- How far, in kilometres, can you travel:
  - walking at 5km/hr for 3 hours?
  - running at 6km/hr for 2 hours?
  - cycling at 12km/hr for 6 hours?
  - driving at 50km/hr for 8 hours?
- Calculate the distance travelled by:
  - a car, travelling at 60 m.p.h for 4 hours.
  - a plane travelling at 600 m.p.h for 6 hours.
- What distances are covered by the following:
  - a van, travelling for 30 minutes at an average speed of 40m.p.h?
  - a runner, runs for 1 hour 30 minutes, at an average speed of 6m.p.h?
  - a speed boat ride lasts 2 hours 30 minutes, at an average speed of 80m.p.h?
  - a plane journey of 4 hours 30 minutes, at an average speed 500m.p.h?
- What distance is covered by an athlete, running at 14km/hr for 2 hour 15 minutes?

## Speed, Distance, Time

$$\text{Speed} = \text{Distance} \div \text{Time}$$



### Exercise 2

- Use the formula to calculate the average speed of these journeys:
  - 30 miles in 3 hour.
  - 60km in 5 hours
  - 140 miles in 2 hours.
  - 480 miles in 4 hours
- Calculate the average speed of these journeys:
  - 60km in 2 hours
  - 1200 miles in 8 hours.
  - 30 km in 4 hours
  - 42 000 miles in 7hours.
  - 3 600 miles in 6 hours.
  - 200 miles in 2 hours.
- Find the average speed of:
  - a runner who averages 2 km in 15 minutes?
  - a plane flying at 1000 miles in 2 and a half hours?
  - a motor cyclist covers 90 km in 1 and a half hours?
- Calculate the average speed in miles per hour of a plane flying from:
  - London to Milan, 2000 miles in 4 hours.
  - Edinburgh to Belfast, 560 miles in 2 hours.