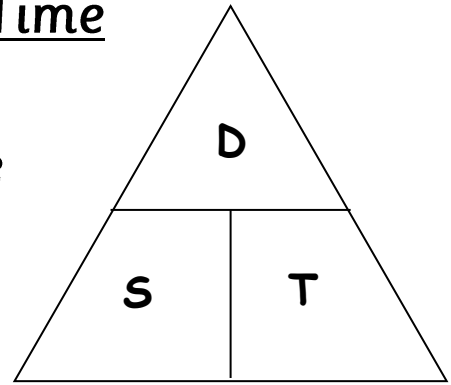


Speed, Distance, Time

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

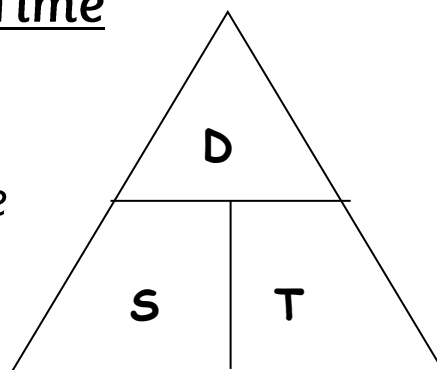


Exercise 1

- 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

1. Use the formula to calculate the average speed of these journeys:

- (a) 30 miles in 3 hour. (b) 60km in 5 hours
(c) 140 miles in 2 hours. (d) 480 miles in 4 hours

2. Calculate the average speed of these journeys:

- (a) 60km in 2 hours. (b) 1200 miles in 8 hours.
(c) 30 km in 4 hours (d) 42 000 miles in 7hours.
(e) 3 600 miles in 6 hours. (f) 200 miles in 2 hours.

3. Find the average speed of:

- (a) a runner who averages 2 km in 15 minutes?
(b) a plane flying at 1000 miles in 2 and a half hours?
(c) a motor cyclist covers 90 km in 1 and a half hours?

4. Calculate the average speed in miles per hour of a plane flying from:

- (a) London to Milan, 2000 miles in 4 hours.
(b) Edinburgh to Belfast, 560 miles in 2 hours.