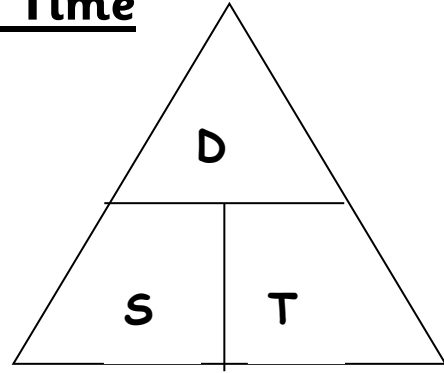


Speed, Distance, Time

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



Exercise 3

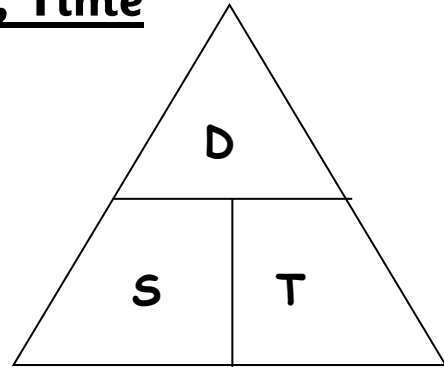
- Find the average speed of:
 - a runner who averages 5 km in 30 minutes?
 - a plane flying at 2000 miles in 3 hours 30 minutes?
 - a motor cyclist covers 120 km in 1 hour 45 minutes?
- James cycled 200 km in 2 hours 45 minutes. What was his average speed?
- Jane walks 16.5 km in 2 hours 45 minutes. Calculate her average speed.

Exercise 4

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

- Using the formula above calculate the time for each journey:
 - Katie cycles 30 km at 15 km/h
 - Ben cycles 40 km at 20 km/h
 - Emma runs 20 km at 10 km/h
 - Mark runs 20 km at 12 km/h
- Calculate the times for these journeys:
 - walking 18 km at 6 km/h.
 - driving 120 miles at 70 m.p.h.
 - cycling 340 km at 15 km/h.
 - flying 3400 miles at 500 m.p.h.

Speed, Distance, Time



Mixed questions

1. Calculate the distance travelled by:
 - (a) a train, travelling at 100 m.p.h for 5 hours?
 - (b) a race car, travelling at 130 m.ph for 3 hours?
2. Calculate the average speed of a Formula 1 car which averages 840 miles in 4 hours?
3. Find the distance travelled by a runner, who has travelling at 7 km/h for 2 hours?
4. Calculate the time for each of the journeys:
 - (a) cycling 24 miles at 8 m.p.h?
 - (b) walking 28 miles at 4 m.p.h?
 - (c) flying 6000 miles at 500 m.p.h?
5. A train travels 680 miles in 4 hours. What is the average speed of the train?
6. A boat sails 280 miles at an average speed of 70 m.p.h. How long did this journey take?
7. Calculate the average speed of:
 - (a) a plane which has travelled 8000 miles in 20 hours?
 - (b) a boat which has travelled 640 miles in 8 hours?
 - (c) a formula 1 car which has travelled 720 miles in 3 hours?