



Formulae and Equations

Distance, speed and time

- 1 Find the average speed (in km/h) of a vehicle that travels:
 - a 180 km in 2 hours
 - b 485 km in 5 hours
 - c 360 km in 4.5 hours
 - d 21 km in $\frac{1}{4}$ hour
 - e 240 km in $2\frac{1}{2}$ hours
 - f 16 km in 20 minutes

- 2 Find the distance travelled by a car whose average speed is 56 km/h over the following journey times. (Answer correct to the nearest kilometre.)
 - a 3 hours
 - b 7 hours
 - c 2.6 hours
 - d $1\frac{1}{4}$ hours
 - e $3\frac{1}{2}$ hours
 - f $2\frac{3}{4}$ hours

- 3 How long will it take a vehicle to travel the following journeys? (Answer correct to the nearest hour.)
 - a 160 km at a speed of 80 km/h
 - b 150 km at a speed of 60 km/h
 - c 120 km at a speed of 48 km/h
 - d 225 km at a speed of 45 km/h
 - e 240 km at a speed of 40 km/h
 - f 556 km at a speed of 69.5 km/h