

Time, Distance and Speed

- 1) A car completes a journey of 345 miles in 6 hours. What is its average speed in miles per hour?
- 2) How long does it take a train travelling at 70 mph to cover a distance of 105 miles?
- 3) A cyclist travels at 15mph for $3\frac{1}{2}$ hours. How far does he travel?
- 4) A train completes a journey of 252 miles in 4 hours 30 minutes. What is its average speed in miles per hour?
- 5) How long does it take a car travelling at 48 mph to cover a distance of 64 miles? Change your answer into hours and minutes.
- 6) A cyclist travels at 18 mph for 2 hours 20 minutes. How far does she travel?
- 7) A train completes a journey of 120 miles in 1 hour 40 minutes. What is its average speed in miles per hour?
- 8) A car travels at 54 mph for 40 minutes. How far does it travel?
- 9) A car is travelling at 108km/h.
 - (a) Change this speed into metres per second
 - (b) How many seconds would it take the car to travel 400m?
- 10) A train is travelling at 162km/h.
 - (a) Change this speed into metres per second
 - (b) How many seconds would it take the train to travel 1000m?
- 11) A long distance runner runs at 6 metres per second.
 - (a) Change this speed into km per hour.
 - (b) How long would it take the runner to run 45km?
- 12) A tortoise travels at 2cm per second.
 - (a) Change this speed into metres per hour.
 - (b) How long would it take the tortoise to travel 2 km?

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