Use the formula **Speed =** $\frac{Distance}{Time}$ or the triangle to answer the following questions. Make sure you give the correct units for your answers.

$$\frac{D}{S \times T}$$

1   A car travels 200 miles in 4 hours. Calculate its average speed.
2   A man runs 100 m in 12.5 seconds. Calculate his average speed.
3   A train travels 80 miles in 1 hour 15 minutes. Calculate its average speed.
4   A person walks 15 km in 2 hour 30 minutes. Calculate his average speed.
5   A car travels 10 miles in 20 minutes. Calculate its average speed.
6   A jet fighter travels at 900 mph. How far will the jet travel in 4 hours?
7   An athlete runs at a constant speed of 8 m/s. How long will it take the athlete to run 400 m?
8   A tennis ball travels at 40 m/s. How far will it travel in 1½ seconds?
9   A car travels 15 miles in 45 minutes. Calculate its average speed.
10 A middle distance runner runs at an average speed of 6 m/s. How long will it take him to run 1500 m, give your answer in seconds. Convert your answer to minutes.

11 The travel graph below shows the journey for a train travelling from Swansea to London.
   (i)   At what time did the train arrive at Bristol?
   (ii)   How many stops did the train make on its journey to London?
   (iii) What was the speed of the train between Bristol and Reading? Give your answer to the nearest mph.
   (iv)   Between which cities did the train travel at its fastest?
   (v)   What was the average speed of the train from Swansea for the whole journey? Give your answer to the nearest mph.
   (vi)   How much time did the train from Swansea spend in stations?