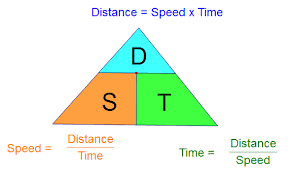
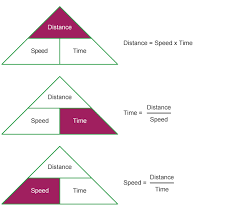
Super Spicy Chilli Challenge

**Calculating the Time**   
We are learning to use a formula to calculate the Time a journey takes.





Solve the problems below by calculating the time each journey/activity takes:

1. An old steam train picks up passengers and leaves Gretna at 6:45am. It travels the 246km to Aberdeen at an average speed of 82 km/hr.   
   a) How long did the journey take?   
   b) When did the train arrive in Aberdeen?
2. A large jet left London’s Heathrow airport at 2130 on a Sunday. It’s destination was Mexico, 5580 miles away. If it travelled at a steady 623mph:  
   a) How long did the journey take?   
   b) At what time (our time) and on what day did the plane reach Mexico?
3. Calculate the time taken for these long haul flights:   
   a) Paphos – London: Distance = 2040 miles. Average Speed = 408mph.   
   b) Tokyo - Honolulu: Distance = 3815 miles. Average Speed = 545mph.  
   c) Paris – Havana: Distance 7755 miles. Average Speed = 705mph  
   d) Abu Dhabi – Sydney: Distance = 12060 miles. Average Speed = 804mph.  
     
   Extra: List all the cities in Question 3; find and write down which countries they are in.
4. A coach driver left Edinburgh at 1000 and drove the 360 miles to Dover to catch the ferry to Belgium.   
   - The ferry’s departure time was 1730  
   - The coach averaged a speed of 60mph  
   - He stopped for 2 half hour breaks.   
   Did he make it Dover on time? (Explain your answer)
5. Calculate the time in hour and minutes for the following journey’s:   
   a) Drive the 100 miles from Airth to Bramely at a speed of 43mph.   
   b) Walk for a distance of 27km at a speed of 6km per hour  
   c) Cycle 12km per hour at a distance of 27km.
6. Victoria walks 11 kilometres at a speed of 4 km/h  
   Calculate how long it takes Victoria. Give your answer in hours and minutes.



10.An airplane flies 4032 km with a constant speed of 1008 km/h and another 1480 km with a constant speed of 888 km/h.

A .How much time in total does it take to travel these distances?

B .What was the average speed of the whole journey?