

11-14 YEAR OLDS TIME

Here are some notes on the time skills we practised in today's lesson. You will also find an extension activity which you can complete in your own time.

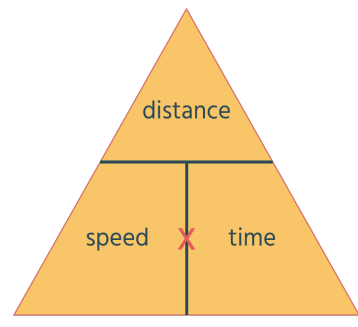
SPEED, DISTANCE & TIME

When calculating speed, distance or time, it is handy to remember the following triangle. This will help you remember which calculation you need to do depending on the information you know.

distance = speed x time

speed = distance ÷ time

time = distance ÷ speed

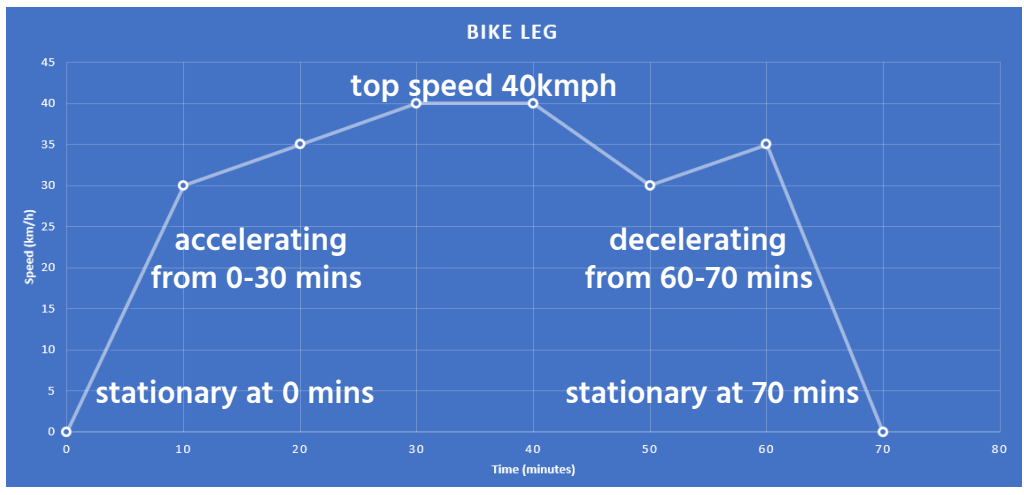


For example:

If I swim 1500m at 75 metres per minute, how long will it take to complete the swim?

time = distance ÷ speed
time = 1500 ÷ 75 = 20 minutes

Speed/Time Graphs show how fast something is travelling at different moments in time. Take a look at the example below:



TAKEAWAY CHALLENGE

Race Analysis

3 people start a 5km running race.
 The first person will take 25 minutes to run the distance.
 The second person will run at 0.25km per minute for the whole race.
 The third person will take 18 minutes to run the first 3km, and runs the last 2km at 0.20km per minute.

Use your knowledge from today's lesson to analyse the race!

Parents - We would love it if you could share your child's work with us on Twitter, Facebook and Instagram using #exploreathome

