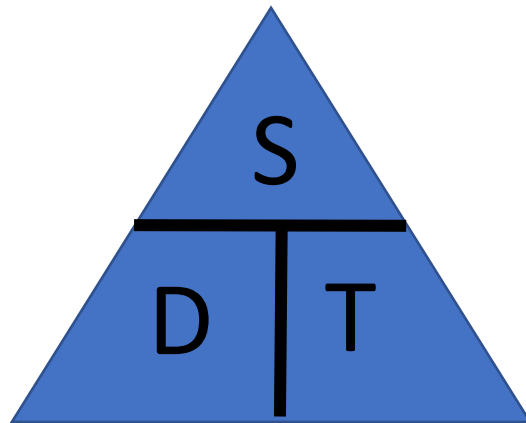


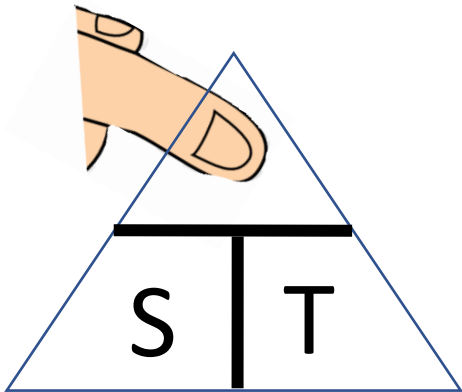
Changing the subject – lesson 8

The revision for today is remembering about Speed/Distance and Time calculations. But why? Read on and all will be revealed.

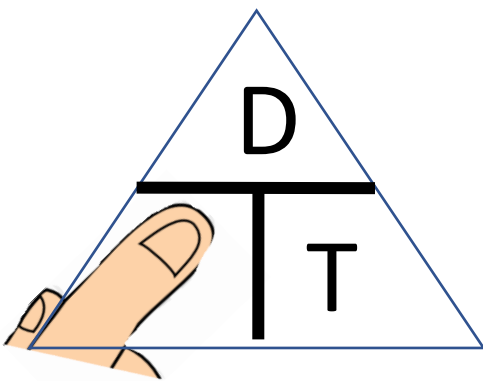
Some of you may have learned a triangle to help you remember the different formulae you use when carrying out speed, distance and time calculations.



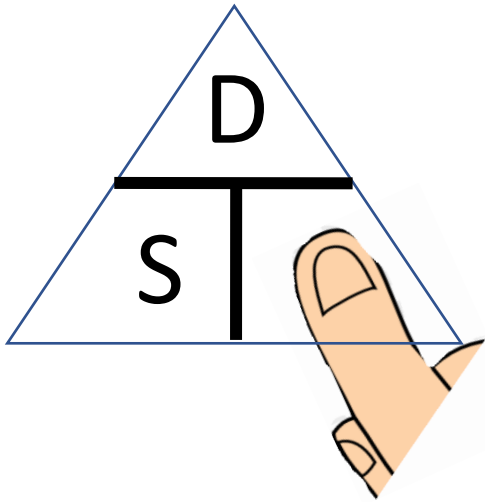
Depending on what you are trying to find out you cover up a different letter on the triangle and this lets you see the formula.



$$Distance = speed \times time$$



$$Speed = \frac{distance}{time}$$



$$Time = \frac{distance}{speed}$$

Learning Intention for today -

Understand the link between changing the subject of the formula and everyday Maths.



Change the subject of the following:-

1) $D = ST$ (S) 2) $D = ST$ (T) 3) $T = \frac{D}{S}$ (D)

Can you see that there are not three different formulas there is only one formula and you just change the subject depending on what you need to find?

Can you do something for me?

Next time you are on teams in science ask your science teacher for formulae you use in science that you just change the subject of depending on what you need.
Once you get an answer post it in teams.

To finish off, here are some questions that are a mixture of everything we have done in this topic so far. Hopefully, you can see how much you have learned!

Change the subject of the following:-

4) $3t = v$ (t) 5) $4t - 6 = v$ (t) 6) $3 - 4a = b$ (a)

7) $m + 3 = -4n$ (n) 8) $\frac{l}{5} + m = 12$ (l) 9) $\frac{m}{6} + 4n = 12$ (m)

10) $16 - 4p = n$ (p) 11) $3v - u = t$ (u) 12) $46 + p = m$ (p)