

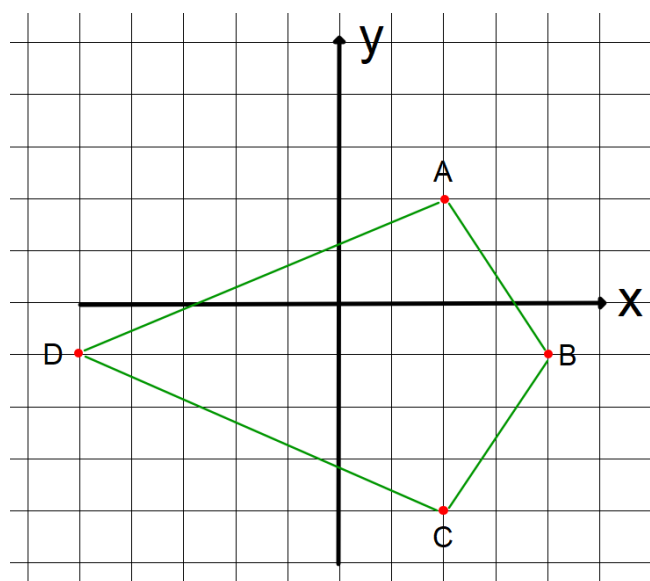
S2 Homework 9

No calculator allowed!!

- 1) 6.45×10 2) $4.56 \div 10$ 3) 1.234×100 4) $28.99 \div 100$

Revision of S1 work

- 5) Write down the coordinates of the points below.

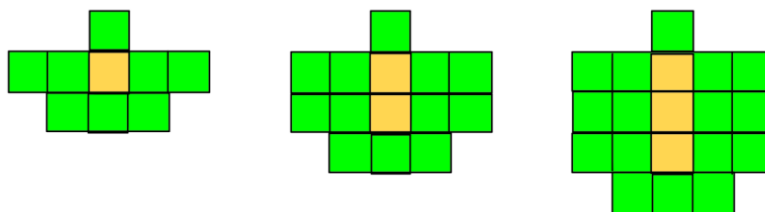


- 6) Draw coordinate axes like the ones above in your jotter and plot the following points, joining them up as you plot them.

(0,3) (2,0) (-1, -2) (-3,1)

S2 work

8)



a) Copy and complete the table below.

Number of yellow squares (Y)	1	2	3	4	5
Number of red squares (G)	8	12			

b) Write a formula for the number of green squares, given the number of yellow squares

$$G = \underline{\hspace{2cm}}$$

c) Use the formula to calculate how many green square there will be in a pattern which has ten yellow squares.

d) Use the formula to calculate how many yellow square there will be in a pattern which has 84 green squares.

- 9) A bus travels 37 miles in 1 hour 12 minutes. Calculate its average speed, rounding your answer to one decimal place.
- 10) How long will it take a plane to fly 800miles if its average speed is 350mph? Give your answer in hours and minutes, rounding to the nearest minute.
- 11) A ship sails at a steady speed of 20km/h for three days. How far has the ship travelled?

UK Junior Maths Challenge Question

Kiwi fruit contain roughly two and a half times as much vitamin C as the same weight of oranges.

What weight of kiwi fruit contains approximately the same amount of vitamin C as 1 kg of oranges?

A 100 g

B 200 g

C 250 g

D 400 g

E 550 g