

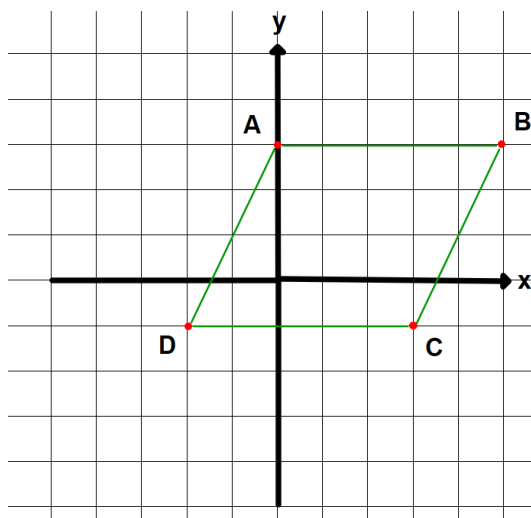
S2 Homework 19

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.

$(2, 4)$ $(5, 1)$ $(1, -3)$ $(0, -2)$

S2 work

- 7) Multiply out the brackets, simplify and solve these equations: -

a) $4(2x + 3) + 10 = 30$

b) $2x + 3 + 4(3x + 1) = 35$

c) $2(3x + 4) + 3(2x + 1) = 131$

- 8) On a test track a car is driven at a steady speed of 140km/h. How long must it keep going at this speed to cover 500km? Give your answer in hours and minutes, rounded to the nearest minute.

- 9) A runner manages to maintain an average speed of 10km/h for 3 hours and 24 minutes. How far did she run?
- 10) A motor bike covers three miles in two minutes. Calculate its average speed.

UK Junior Maths Challenge Question

This 3 by 3 grid shows nine $1\text{ cm} \times 1\text{ cm}$ squares and uses 24 cm of wire.
What length of wire is required for a similar 20 by 20 grid?

- A 400 cm B 420 cm C 441 cm D 800 cm E 840 cm

