M7 = 5 days to go!

Three angles are in the ratio 2:3:5The smallest angle is 50°

Work out the sizes of the other two angles

5. Work out, giving each answer in standard form.

(a) $(4 \times 10^5) \times (2 \times 10^4)$ $0 \times 10^5 \times 10^5 \times 10^4$ 0×10^9

(b)

$$(5 \times 10^6) \times (7 \times 10^8)$$

 5×7 $10^8 \times 10^8$
 35×10^{14}
 $3.5 \times 10 \times 10^{14}$

6. David buys 2 DVDs and 2 CDs in a shop and in total they cost £18. Ellie buys 3 DVDs and 2 CDs in the same shop and they cost £22.

Form two equations and solve to find the cost of each DVD and each CD.

$$2d + 2c = 18$$

$$3d + 2c = 22$$

st of each DVD and each CD.

$$3d + 2c = 22$$

$$2l + 2c = 18$$

$$= 4$$

then substitute
$$d=4$$
 into $2d+2c=18$
 $8+2c=19$
 $2c=10$
 $2c=10$
 $3c=25$
 $3c=25$
 $3c=2c=10$
 $3c=25$
 $3c=2c=10$
 $3c=2c=10$

7. Solve the simultaneous equations

$$2x + 4y = 26$$
$$3x - y = 4$$

Do not use trial and improvement

$$2x + 4y = 26$$
 y numbers $3x - y = 4(x4)$ the same

not use trial and improvement

$$2x + 4y = 2b$$
 $3x - y = 4$
 $x + 4y = 2b$
 $y = 4$
 $y = 4$

Substitute in x=3

$$2x + 4y = 26$$

$$6 + 4y = 26$$

$$4y = 20$$

$$4y = 5$$