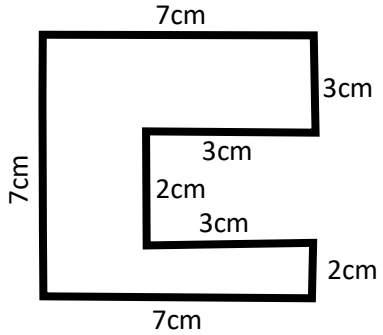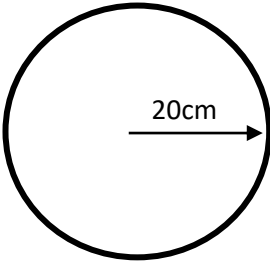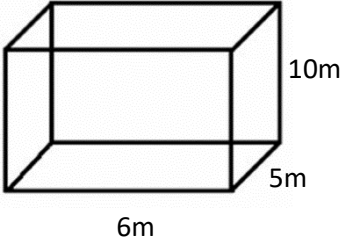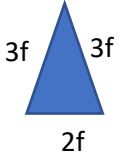YEAR 10 HOMEWORK – 2 T GROUPS

Complete the questions in each box. Make sure that you show all of your workings

1. Find the perimeter:

7cm

3cm

3cm

2cm

3cm

7cm

2cm

7cm

2. Find the Area using area = πr^2
(π = 3.14)

20cm

3. Find the volume:

10m

5m

6m

4. Simplify:
4k + 6k

5. Simplify 6p x 2

6. Simplify 12p ÷ 4

7. Write an expression for the perimeter

3f   3f

2f

8. Expand the bracket and simplify:

4(2f + 2)

9. Fill in the blank in the equation:

8p + _____ = 4(2p + 4)

10. Find the value of P when x = 2 and y = 3:

P = 2x + 2y

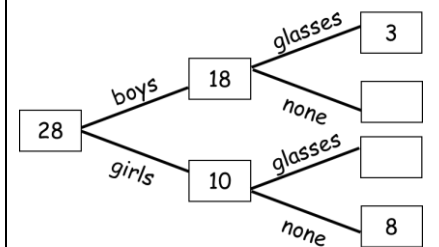|	
11. Find the probability of a purple ball being pulled out if these are the probabilities of the other colours Blue 0.2 Green 0.3 Red 0.3 Purple =	12. In a sample of 80 people, it was found that they were all born in England, Scotland or Wales. Complete the 2-way table:

11. Find the probability of a purple ball being pulled out if these are the probabilities of the other colours

Blue 0.2	Green 0.3
Red 0.3	Purple =

12. In a sample of 80 people, it was found that they were all born in England, Scotland or Wales. Complete the 2-way table:
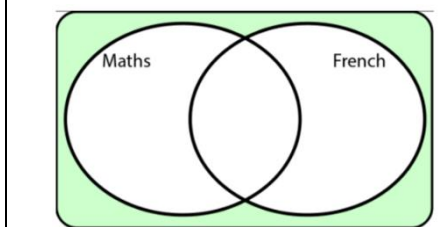
	England	Scotland	Wales	Total
Female		12	4	42
Male		8		38
Total	50	20		80

17. Write the following numbers in ascending order.

1.24, 1.5, 1.04

18. Round 137 to the nearest 10

13. There are 28 pupils in a class. 18 are boys and 10 are girls. 3 boys wear glasses. 8 girls do not wear glasses. Fill in the blanks…

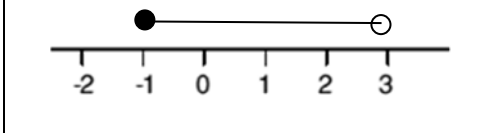14. In a card game Jayne wins 6 out of 10 games. Estimate how many games she would win out of 20.

19. Write $\dfrac{8}{10}$ in its simplest form

20. Write the fractions in ascending order:

$$\dfrac{1}{4} \qquad \dfrac{5}{8} \qquad \dfrac{3}{8}$$

15. In form 9H **12 students are studying Maths**, **6 students are studying French**, **4 are studying both**

Complete the Venn diagram:

16. Complete the inequality shown on the number line

-1 ≤ x _____

WWW	
EBI 1	
EBI 2	