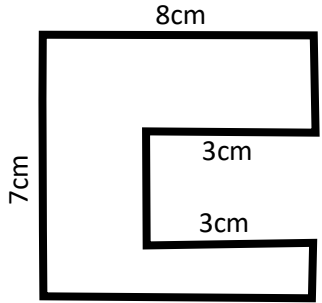
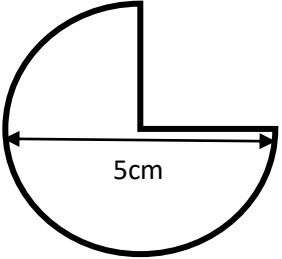
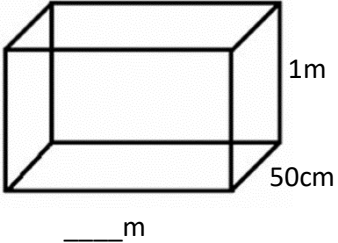
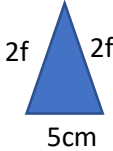


YEAR 10 HOMEWORK – 2R

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

1. Find the perimeter: 	2. Find the Area: 
3. Find the missing side length if the volume is 6m^3: 	4. Simplify: $6k^2 + 5k - 4k - 2p + 8p$

5. Simplify $12p^2 \times p$	6. Simplify $8X^2 \div 2X$
7. Find f if the perimeter is 25cm 	8. Expand the brackets and simplify: $2p(4f - 7f + p)$
9. Factorise: $9p^2 + 12p$	10. Find the value of P when $x = 5$ and $y = 4$: $P = 2x^2 - y^3$

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

Blue 0.2	Green 0.17
Red 0.343	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			4	42
Male		8		
Total	50	20		

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 4 out of 13 games. Estimate how many games she would win out of 169.

15. $\xi = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$

- $A = \{\text{multiples of } 5\}$
- $B = \{\text{even numbers}\}$
- Draw a Venn diagram for this information.

16. Write the inequality shown on the number line

17. Write the following numbers in ascending order.
 $2.5, -2.24, \frac{8}{3}, 1.39, -4.2$

18. Round 21.154 to 1 decimal place

19. Round 0.3768 to 1 significant figure

20. Calculate $3\frac{1}{4} \times \frac{1}{2}$

WWW	
EBI 1	
EBI 2	