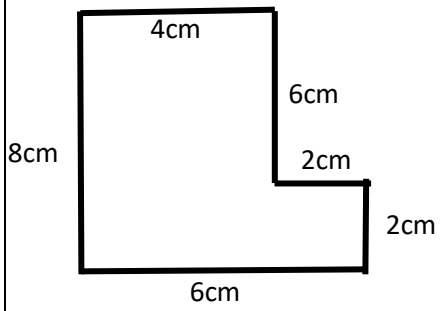
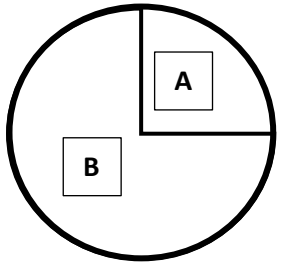
YEAR 10 HOMEWORK 5 T GROUPS

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

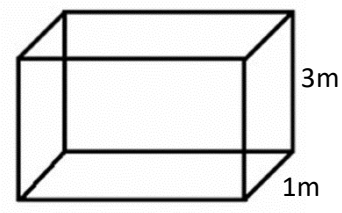
1.Find the **AREA**



2. The circle has an area of 80cm. What is the area of section B?



3. Find the missing side length if the volume is $9m^3$:

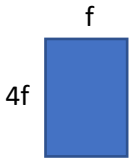


4. Simplify:
6p + 2p - 4p

5. Simplify p x p x q

6. Simplify 4p ÷ 2p

7. Write an expression for the perimeter and simplify your answer



8. Expand the brackets and simplify:

2(2f + 3) + 4f

9. Fill in the blank in the equation:

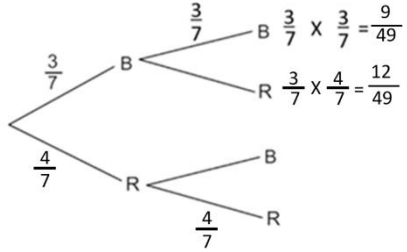
n^2 + _____ = n(n + 2)

10. Find the value of P when **x = 2** and **y = 1:**

$P = x^2 - 2y$

11. A fair dice is rolled. What is the probability of a 6?

12. A bag contains **3 blue marbles** and **4 red marbles**. One marble is removed at random **then replaced**. Another marble is then removed. Complete the probability tree.



13. Based on the fair spinner shown.

Impossible, Unlikely, Even, Likely, Certain

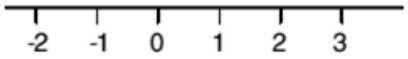
Which word best describes:

The arrow landing on 1

14. In a card game Jayne wins 4 out of 5 games. Estimate how many games she would win out of 25.

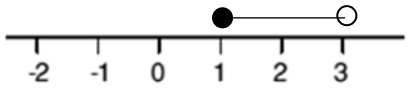
15. Draw a number line to represent this inequality

$0 < x < 3$



16. Complete the inequality shown on the number line

$1 < x <$ _____



17. Write the following numbers in ascending order.
0.34, 0.225, 0.2, 0.45

18. Round 7288 to the nearest 10

19. Write 2 equivalent fractions to $\frac{3}{8}$

20. Write the fractions in ascending order:

$\frac{2}{3}$ $\frac{3}{6}$ $\frac{1}{6}$ $\frac{5}{6}$

WWW	
EBI 1	
EBI 2	