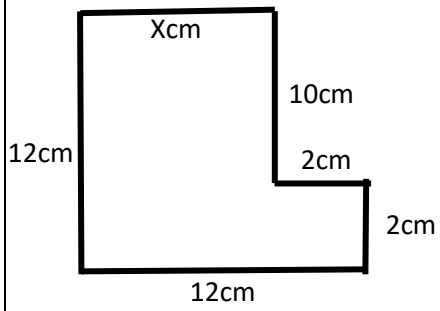
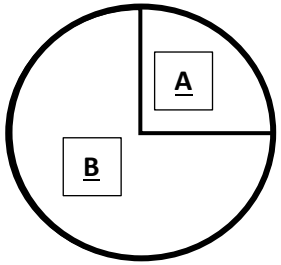
YEAR 10 HOMEWORK 4 T GROUPS

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

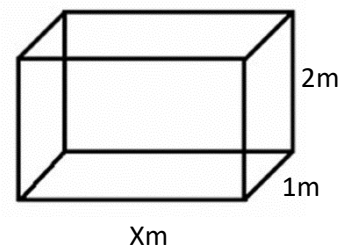
1.Find the missing side length to give the perimeter:



2. The circle has an area of 40cm. What is the area of section A?



3. Find the missing side length if the volume is $6m^3$:

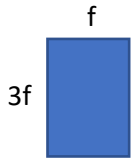


4. Simplify:
7p – 2p + 3p

5. Simplify p x p x p

6. Simplify 2p ÷ p

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



8. Expand the brackets and simplify:

2(f + 1) + 3(f + 4)

9. Fill in the blank in the equation:

____ + 4 = 2(3n + 2)

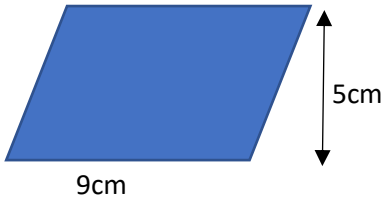
10. Find the value of P when **x = 2** and **y = 4:**

$P = x^2 + 2y$

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

Blue 0.4	Green 0.4
Red 0.1	Purple =

12 Calculate the area of the parallelogram



13. 13. Based on the fair spinner shown.

Impossible, Unlikely, Even, Likely, Certain

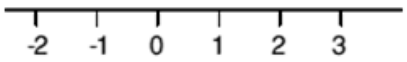
Which word best describes:

The arrow landing on 2

14. In a card game Jayne wins 4 out of 10 games. Estimate how many games she would win out of 20.

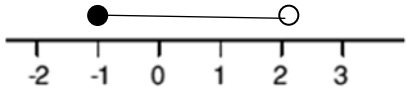
15. 15. Draw a number line to represent this inequality

$1 < x < 3$



16. Complete the inequality shown on the number line

_____ $\leq x < 2$



17. Write the following numbers in ascending order.

0.24, 0.2, 0.6,0.45

18. Round 7391 to the nearest 1000

19. Write $\frac{8}{64}$ in its simplest form

20. Write the fractions in ascending order:

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

WWW	
EBI 1	
EBI 2	