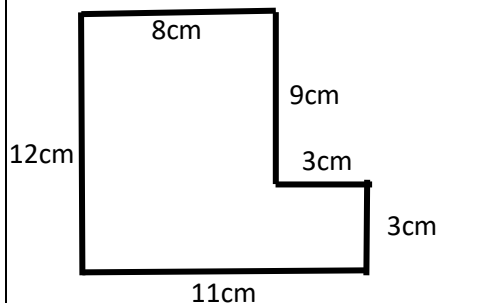
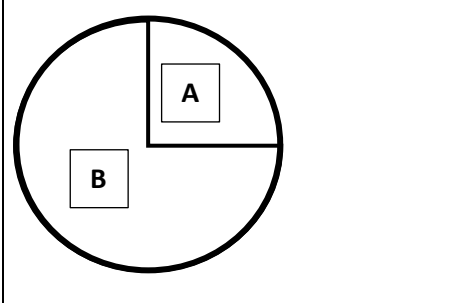
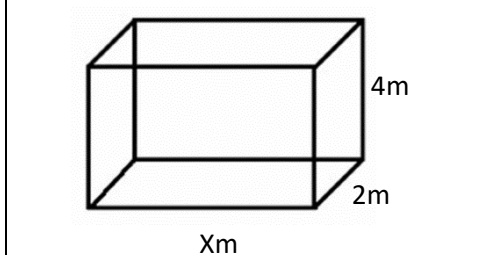
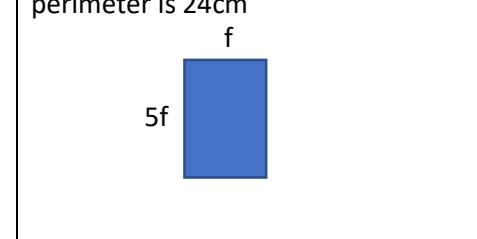


YEAR 10 HOMEWORK 6 T GROUPS

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 20cm. What is the area of section A? 
3. Find the missing side length if the volume is 24m³: 	4. Simplify: 5p – 2p + 3q

5. Simplify $2q \times 2q$	6. Simplify $p^2 \div p$
7. Write an expression for the perimeter and find f given that the perimeter is 24cm 	8. Expand the brackets and simplify: $2(f + 8) + 5$
9. Fill in the blank in the equation: $\underline{\hspace{2cm}} + 4n = 2n(n + 2)$	10. Find the value of P when x = 5 and y = 3: $P = x^2 - 2y$

11. A fair dice is rolled. What is the probability of rolling a 3?	12. The school bus can be either late or not late. The probability of the bus being late on Monday is 0.25 The probability of the bus being late on Tuesday is 0.1. Complete the probability tree: Monday Tuesday 0.25 Late Not late Late Not late	17. Write the following numbers in ascending order. -5, 2, -3, 4	18. Round 17488 to the nearest 1000						
13. Based on the fair spinner shown. Impossible, Unlikely, Even, Likely, Certain Which word best describes: The arrow landing on an even number	14. In a card game Jayne wins 3 out of 5 games. Estimate how many games she would win out of 45.	19. Write 2 equivalent fractions to $\frac{5}{8}$	20. Write the fractions in ascending order: $\frac{8}{9}$ $\frac{8}{10}$ $\frac{8}{11}$ $\frac{8}{12}$						
15. Draw a number line to represent this inequality $-1 < x < 2$	16. Complete the inequality shown on the number line $x > \underline{\hspace{2cm}}$	<table><tr><td>WWW</td><td></td></tr><tr><td>EBI 1</td><td></td></tr><tr><td>EBI 2</td><td></td></tr></table>		WWW		EBI 1		EBI 2	
WWW									
EBI 1									
EBI 2									

