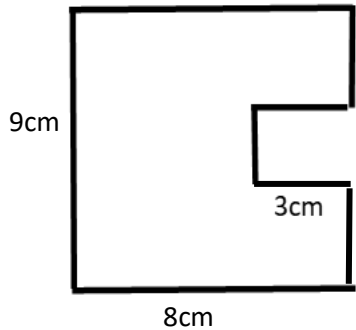
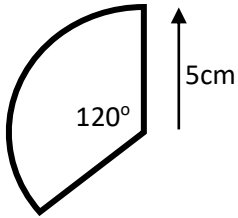
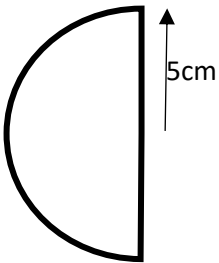
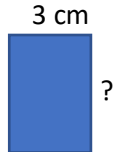
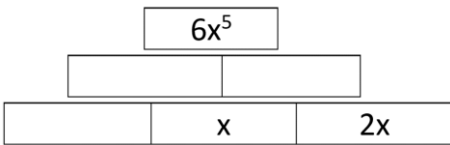


Complete the questions in each box. Make sure that you show all of your workings

1. Find the perimeter: 	2. Find the Area: 
3. Find the perimeter: 	4. Simplify: $\frac{6k^2 + 12k}{6}$

5. Dianne states that $5e^3 \times 6e^3 = 30e^9$. What mistake has been made?	6. Rhys writes $6f \div 2f = 3f$. What mistake has been made?
7. The area of the rectangle is $12b^3$. What is the length? 	8. Complete the multiplication wall below. 
9. Factorise: $9p^2q + 12pq$	10. Find the value of P when a = 3 and b = 8 and c = 2: $P = \sqrt{b^2 - 4ac}$

11. A dice is rolled. What is the probability of rolling greater than 2?

13.

The table gives information about the numbers of fish in a lake.

Fish	Frequency	
Perch	13	
Bream	23	
Carp	39	

Draw an accurate pie chart to show this information.

15. 50 people are asked about what food they like. 42 like yoghurt, 30 like cereal, 3 like neither. Draw a Venn diagram to show this information.

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.

14. Find the **median** and the **quartiles** from the list below.

153 147 160 146 162 158 159
149 152 150 163

16. Write the inequality shown on the number line

17. Complete the table to find the mean

Shoe Size(s)	Frequency	
5	2	
6	4	
7	8	
8	5	
9	4	

18. Estimate the solution:

$$\begin{array}{r} 724 + 209 \\ \hline 32 \end{array}$$

19. Mr Cannon is 171cm tall to the nearest centimetre. Write the error interval for his height.

20. Calculate $2\frac{1}{3} + \frac{1}{2}$

WWW	
EBI 1	
EBI 2	

