## YEAR 10 HOMEWORK – 4S

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



$\Gamma$ Cimplify $CV^3 + V$	C Cimplify $OV_3 + 2$
5. Simplify OX + X	0. Simpling 6X ÷ 2
7 Write an expression for the	8 Expand the brackets and simplify:
norimator in its simplest form	8. Expand the brackets and simplify.
perimeter in its simplest form	2(2f + 2) + 4(f + 1)
	2(21+3)+4(1+1)
df	
9. Fill in the blanks in the bracket:	10. Find the value of P when <b>x</b> = <b>2</b> and <b>y</b> = - <b>3</b> :
2P <sup>2</sup> + 10 = 2( + )	
	$P = x^2 - y^2$

11. A 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 <b>then replaced</b> . Another marble is then removed. Complete the probability tree. $\frac{3}{7} B \frac{3}{7} X \frac{3}{7} =$	<ul><li>17. Write the following numbers in ascending order.</li><li>0.52, 0.85, 0.601, 0.39, 0.922</li></ul>	18. Round 401 to the nearest 1000
<b>13.</b> The table gives information about the numbers of fish in a lake.   Fish Frequency   Perch 10   Bream 23   Carp 39   Draw an accurate pie chart to show this information.	14. In a card game Jayne wins 2 out of 9 games. Estimate how many games she would win out of 72.	19. Write $\frac{12}{108}$ in its simplest form	20. Write the fractions in ascending order: $\frac{5}{21}  \frac{2}{3}  \frac{4}{7}  \frac{2}{7}  \frac{5}{7}$
15. Complete the table to show the angles required for a pie chart Favourite Number Size of	16. Write the inequality shown on the number line	WWW	
Food of people angle			
Chinese 10		EBI 1	
Indian 6	<b>0</b>		
Kebab 6			
Other 2	-2 -1 0 1 2 3	EBI 2	
TOTALS			
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