YEAR 10 HOMEWORK – 3S

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



5. Simplify 6X ² ÷ X	6. Simplify 8X ² ÷ 2
7 Write an expression for the	8 Expand the brackets and simplify
7. Write all expression for the	8. Expand the brackets and simplify.
perimeter in its simplest form	4(25 + 5) + 2(5 + 4)
	4(2t+5)+2(t+1)
2f	
3f 3f	
51 51	
21	
9 Fill in the blanks in the bracket:	10 Find the value of P when $\mathbf{x} = 2$
5. This in the blanks in the bracket.	and $y = 5$
2n + 20 - 2(+)	and y – 5 .
$2p + 20 = 2(_\ + _\)$	
	- 2
	$P = x^2 - y$

11. Find the probability of a purple ball being pulled out if these are the probabilities of the other colours		 12. At a meeting there are 50 teachers who travel by car or train only. 32 teach geography, the rest teach history. 14 history teachers travel by car 8 geography teachers travel by train 	17. Write t ascending 0.5, 0.24,	17. Write the following numbers in ascending order.0.5, 0.24, 0.06, 0.39, 0.222			e nearest	100	
Blue 0.4	Green 0.4	Identify row and column headings and draw a 2 way table to represent this							
Red 0.1	Purple =	data.							
13. 70 people take part in an attempt to qualify for a golf tournament. Before the		14. In a card game Jayne wins 4 out	19. Write	19. Write $\frac{13}{65}$ in its simplest form	20. Write the fractions in ascending				
start, they were all they would qualify, thought they would they would qualify, 38 people qualified tree	asked if they thought and exactly half said they d. Of those who thought 15 qualified. A total of . Complete a frequency	games she would win out of 45.			$\frac{3}{21}$ $\frac{1}{3}$	<u>1</u> 7	$\frac{2}{7}$	<u>5</u> 7	
15. 50 people are asked about what food they like. 42 like yoghurt, 30 like cereal, 3 like neither. Draw a		16. Write the inequality shown on the number line	www						
Venn diagram to show this information.	O ●	EBI 1							
		-2 -1 0 1 2 3	EBI 2						
				1					