## YEAR 10 HOMEWORK - 5S

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


| 5. Simplify $6 X^{4} \div X^{2}$ | 6. Simplify $108 X^{2} \div 2$ |
| :--- | :--- |
| 7. Write an expression for the |  |
| perimeter in its simplest form |  |
| f | 8. Expand the brackets and simplify: |
| $2(2 f+2)+4(p+1)$ |  |


| 11. A dice is rolled. What is the probability of an even number? | 12. Four small squares fit together to make a new larger square. Write an expression for the perimeter of the larger square. <br> Perimeter= <br> Area $=x^{2}$ |
| :---: | :---: |
| 13. Based on the fair spinner shown. Impossible, Unlikely, Even, Likely, Certain <br> Which word best describes: <br> The arrow landing on an even number | 14. In a card game Jayne wins 2 out of 9 games. Estimate how many games she would win out of 63 . |
| 15. Draw a number line to represent this inequality$0<x<3$1 1 1 1 1 1 <br> -2 -1 0 1 2 3 | 16. Write the inequality shown on the number line |


| 17. Write the following numbers in ascending order. $0.51,0.024,0.06,0.309,0.222$ | 18. Round 7288 to the nearest 1000 |
| :---: | :---: |
| 19. Write 2 equivalent fractions to $\frac{5}{8}$ | 20. Write these fractions in ascending order: $0.25 \quad \frac{1}{2} \quad \frac{1}{8} \quad \frac{3}{8} \quad \frac{3}{4}$ |


| WWW |  |
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| EBI 1 |  |
| EBI 2 |  |

