YEAR 10 HOMEWORK – WEEK1

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| 1.Find the perimeter:  5cm  5cm  2cm  1cm  3cm  2cm  3cm  5cm | 2. Find the Area using area = πr2  10cm  ( π= 3.14 ) |
| 3. Find the volume:    3m  5m  8m | 4. Simplify:  **6k + 9k** |

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| 5. Simplify 12X x 2 | 6. Simplify 12X ÷ 3 |
| 7. Write an expression for the perimeter  f  2f  2f | 8. Expand the bracket and simplify:  3(f + 2) |
| 9. Fill in the blank in the equation:  8p + \_\_\_\_ = 4(2p + 3 ) | 10. Find the value of P when **x = 2** and **y = 3:**  P = x + 2y |

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| 11. Find the probability of a purple ball being pulled out if these are the probabilities of the other colours   |  |  | | --- | --- | | Blue 0.1 | Green 0.2 | | Red 0.3 | Purple = | | 12. Complete the two-way table.   |  |  |  | | --- | --- | --- | |  | Shaded | Unshaded | | Circles |  | 1 | | Triangles | 1 |  | | Total | 2 | 3 | | |
| 13. Fill in the blank circles  40 | 14. In a card game Jayne wins 4 out of 10 games. Estimate how many games she would win out of 20. | |
| 15. In form 9H **14 students are studying Maths**, **8 students are studying French**, **6 are studying both**  Complete the Venn diagram: | 16. Complete the inequality shown on the number line    0 ≤ X ≤ \_\_\_\_\_\_ | |
| 17. Write the following numbers in ascending order.  2.24, 2.5, 2.04 | | 18. Round 24 to the nearest 10 | |
| 19. Write in its simplest form  10  6 | | 20. Write the fractions in ascending order: | |