YEAR 10 HOMEWORK – 1

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| 1.Find the perimeter:  5cm  5cm  2cm  1cm  3cm  2cm  3cm  5cm | 2. Find the Area:  10cm |
| 3. Find the volume:    3m  5m  8m | 4. Simplify:  **6k + 9k – 4k** |

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| 5. Simplify 12X ÷ 3 | 6. Simplify 12X ÷ 3X |
| 7. Write an expression for the perimeter in its simplest form  f  2f  2f | 8. Expand the brackets and simplify:  3(f + 7) |
| 9. Fill in the blank in the bracket:  8p + 12 = 4(2p + \_\_\_\_ ) | 10. Find the value of P when **x = 2** and **y = 5:**  P = 2x + 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 |  |  | | Triangles | 1 |  | | Total |  |  | | |
| 13. Fill in the blank circles | 14. In a card game Jayne wins 4 out of 10 games. Estimate how many games she would win out of 50. | |
| 15. In form 9H **14 students are studying Maths**, **8 students are studying French**, **6 are studying both** and **3 students study neither**.  Complete the Venn diagram: | 16. Write the inequality shown on the number line | |
| 17. Write the following numbers in ascending order.  2.5, 2.24, 2.04, 1.39, 4.2 | | 18. Round 2473 to the nearest 10 | |
| 19. Write in its simplest form  20  12 | | 20. Write the fractions in ascending order: | |