YEAR 10 HOMEWORK – WEEK1

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| 1.Find the perimeter:5cm5cm2cm1cm3cm2cm3cm5cm | 2. Find the Area using area = πr210cm( π= 3.14 ) |
| 3. Find the volume:3m5m8m | 4. Simplify:**6k + 9k** |

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| 5. Simplify 12X x 2 | 6. Simplify 12X ÷ 3 |
| 7. Write an expression for the perimeterf2f2f | 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

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| Blue 0.1 | Green 0.2 |
| Red 0.3 | Purple =  |

 | 12. Complete the two-way table.

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|  | Shaded | Unshaded |
| Circles |  | 1 |
| Triangles | 1 |  |
| Total | 2 | 3 |

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| 13. Fill in the blank circles40 | 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 106 | 20. Write the fractions in ascending order: $\frac{1}{8}$ $\frac{5}{8}$ $\frac{3}{8}$  |