YEAR 10 HOMEWORK – 1

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| 1.Find the perimeter:5cm5cm2cm1cm3cm2cm3cm5cm | 2. Find the Area:10cm |
| 3. Find the volume:3m5m8m | 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 formf2f2f | 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

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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 |  |  |
| Triangles | 1 |  |
| Total |  |  |

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| 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 2012 | 20. Write the fractions in ascending order:$\frac{3}{4}$ $\frac{1}{2}$ $\frac{1}{4}$ $\frac{3}{8}$ $\frac{5}{8}$  |