SPECIMEN MATHEMATICS PAPER:

GROUP II

1. $0.12 \times 1000 = \underline{120}$

   $\sqrt{64} = \underline{8}$

   $7^3 = \underline{343}$

   $\sqrt[3]{27} = \underline{3}$

   $14^2 = \underline{196}$

   $\frac{90}{165} = \underline{\frac{6}{11}}$

   $\frac{7}{12} \times 96 = \underline{56}$

   $0.6 \times 55 = \underline{33}$

   $0.2 \times 0.3 \times 0.4 \times 250 = \underline{6}$

2. Calculator displays

   $\frac{1}{30} = \underline{0.033333333}$

3. $3 + 12 + 30 + 30 + 29$

   $= \underline{104 \text{ mm}}$ (you should get between 100mm and 108mm)

   $= \underline{10.4 \text{ cm}}$

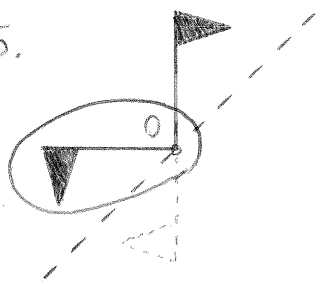
   $= \underline{0.104 \text{ m}}$

   $= \underline{1.300 \text{ m}}$ in real life

   (Adjust answers accordingly)

4. Symmetry order $\underline{5}$.

5.



6. $\underline{8,040}$

7. $8386 \div 14 = \underline{599}$

8. (a) $\frac{6}{9} = \underline{\frac{2}{3}}$ (b) $\frac{3}{9} = \underline{\frac{1}{3}}$

9. $6 \boxed{\times} 4 \boxed{-} 9 = 15$

   $7 \boxed{\times} 8 = 28 \boxed{\times} 2$

   $(18 \boxed{+} 12) \boxed{\div} 6 = 5$

10. $(94 + 78) \times 2 = \underline{344 \text{ m}}$

11. (a) $\underline{28 \text{ cm}}$ (b) $\underline{44 \text{ cm}}$

12. $\frac{1}{2} \times 6 \times 8 = \underline{24 \text{ cm}^2}$

13. (a) $5 - (^-5) = \underline{10^\circ C}$

    (b) $\frac{7}{7} = \underline{1^\circ C}$

14. $\underline{558}$

15. $930 \div 5 = 186$

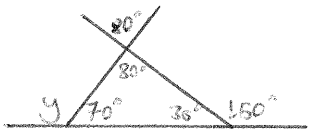
    Houses are $\underline{182, 184, 186, 188, 190}$

16. 5 mins $= 30^\circ$

    Angle $= 5 \times 30 + \frac{30}{4} = \underline{157.5^\circ}$

17. (a) $\underline{\text{Reflex}}$

    (b)



    $y = 180 - 70 = \underline{110^\circ}$

18. $36 \times 24 = \underline{864}$

19.

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  2 [1] 7
  [9] 1 5
+ [9] 4 [9]
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2 [0] 8 1
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20. $36 = \underline{5 + 31} = \underline{7 + 29}$

    $= \underline{13 + 23} = \underline{17 + 19}$

21. 59

22. (a) $\underline{5 \text{ cm}}$ (b) $\underline{65.5 \text{ cm}^2}$

    (c) Dimensions 4cm × 5cm × 6cm

    Volume $= \underline{120 \text{ cm}^3}$

    (d) Dimensions $\underline{2\text{cm} \times 3\text{cm} \times 4\text{cm}}$