**Mini-Lesson #1 – Perimeter/ Area of Two-Dimensional Shapes (2 Dimensional – Math 7)**

Vocabulary: Perimeter Area perpendicular Units

|  |  |  |
| --- | --- | --- |
| **Types of Units for perimeter:** | | **Types of units used for area:** |
| **To find perimeter:** Add up lengths of ALL sides of figure**.**   1. 2) 6 cm   3in 3 cm  4 in. 8 cm   1. 4) 7cm   6 cm 2cm  5cm 3cm    (square) 4cm | | |
| **Steps to Follow when using a formula**   * F - Write formula * S - Substitute numbers for variables * A = Answer | **Important Features to remember**   * Height and base are perpendicular (Look for the *Right Angle* symbol to find height and base)   Examples: | |

|  |
| --- |
| **Area of Rectangles and Squares**:  **A = bh** (base \* height) OR **A = lw** (length \* width)    Ex: 1) 6in 2) 8 cm (square)  12 in  **Formula: Formula:**    **Substitution : Substitution:**    **Answer: Answer:** |
| **Area of Triangles formula =**  **4 in**  1. **F: 2. F:**  12 cm  30 cm  38 cm  **S: S:**  **6 in A: A:** |
| **Area of Trapezoids =**  **14in**      **7in**  **20in**  **20 m**   1. **12.5 m**   **22.5m** |
| **Practice for ML #1: perimeter and area (Math 7)**  \*\***Find the perimeter**   1. 2)   4 cm 3 cm (square)  9 cm  9 in  3) 8in 4) 10 ft  4 ft  15 in  8 ft  **Find the area:**  18 ft  17 ft  24 ft   1. 2) 3)   12 m  5 in (square)    4 m  5m  **10 m**  4) 5) 6)  19 mm  14 mm  12 mm  6m  16 ft  10m  18 m |