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

Vocabulary: Perimeter Area perpendicular Units

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| --- | --- |
| **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 cm1. 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: |

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| **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 cm30 cm38 cm **S: S:** **6 in A: A:**   |
| **Area of Trapezoids =** $\frac{1}{2}(b\_{1}+ b\_{2}) h$ **14in**1.

 **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 in3) 8in 4) 10 ft 4 ft 15 in 8 ft**Find the area:**18 ft17 ft24 ft1. 2) 3)

 12 m 5 in (square)  4 m 5m**10 m**4) 5) 6)19 mm14 mm12 mm 6m16 ft 10m 18 m  |