**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**MONDAY**

**Directions: Using the formula *base x height*** *÷* ***2*, find the area for the following right triangles.**

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**Area of Triangles/Volume**

**TUESDAY**

**1.** Explain why you have to divide (base x height) by two in order to find the area of a triangle. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Directions: find the area for the following right triangles**

**2.  3. **

**4.  5. **

**Write the formulas that you would use to find:**

6. Perimeter - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Area of a Square/Rectangle - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**WEDNESDAY**

**Part I: Write the formula that you use to find each of the following…**

1) perimeter - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2) area of a square/rectangle -\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3) area of a right triangle - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4) volume of an figure - \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part II: Find the volume of the following irregular figures made of cubes.**

5) 6) 7)

**\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_**

**Part III: Review. Elapsed Time.**

8) On Monday there wasn’t any traffic on the road when Mrs. Townsend left the house for a mini road trip. She arrived at her destination at 10:25 am and it took her 4 hours and 38 minutes to get there. What time did Mrs. Townsend leave the house?

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**THURSDAY**

**Part I: Find the volume of the following figures.**

****1) 2)

 \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_

3) 4)

 \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_

**Part I: Solve the following word problems involving volume.**

1) I want to stack 8 books on a shelf. Each book is 19 cm. wide, 26 cm. long, and 2 cm. thick. What is the volume taken up by these books?

2) The ecology club is going to start recycling again at Forrest! The recycling bins look like the figure below.



What is the volume of paper that one

recycling bin can hold? \_\_\_\_\_\_\_\_\_\_

What is the volume that 26 recycling bins

can hold? \_\_\_\_\_\_\_\_\_\_\_\_

3) The dimensions of a fish tank are as follows: 13 inches long, 10 inches wide, and 17 inches deep. What is the volume of water that this fish tank can hold?