Volume Quiz #1:   **Name:**   **Date:**

A. Complete the following showing all calculations. (2 marks each, total   marks)
    1. What is the volume of each right triangular prism?
        a. Base of triangle = 3m
           Height of triangle = 7 m
           Height of prism = 8 m

        b. Base of triangle =15 cm
           Height of triangle = 8 cm
           Height of prism = 20cm

B. Find the volume of the container, then calculate the volume of the contents.
    a. You have a water tank that is cylindrical with a radius of 25 cm and a height of 120 cm. What is the volume of this cylinder?(2 marks)

    b. This water tank is only ⅖ full of water. What is the volume of water that you have. You do know that 1 cc is equal to 1 ml.(2 marks)

C. Fill in the blanks in the following table with the correct answer for the following Right Rectangular Prism.(2 marks each, total 6 marks) Do calculations neatly in the space provided.

Length(cm)	Width(cm)	Height(cm)	Volume(cm³)
7	2		70
12		10	1080
	15	5	1200

D. Fill in the blanks of the following table with the correct answer for the following Right Triangular Prism.(2 marks each, total 6 marks) Do calculations neatly in the space provided.

Base(cm)	Height of Triangle(cm)	Height of Prism(cm)	Volume(cm³)
7	2		70
18		10	1080
	14	5	700

Advanced Top Mark Question, for the real kids who want to be the "Masters".

A rectangular tank, 40m long by 30m wide is filled with 960 m³ of water.
   a. Determine the depth of the water.

   b. If the water drains out at a rate of 60 m³/hr, how much water is left after 2.5 hours?

   c. What is the new depth of the water?

   d. Later, the depth of the water is 0.2m. For how long has the tank been draining?