**Anuban Roi – Et School**
**English Program**
**Second Term**
**Mathematics 5**
**Activity 4**
**Problem Solving with Volumes of Cuboid - A**

**Name:** _____ **Class:** _____ **Score:** _____
**Student Number:** _____ **Date:** _____ **Teacher:** _____

**Solve the following problems. Show the working and write the sentence answer. No erasure.**

1.) A cubical tank of edge 24 cm is $\frac{3}{4}$-filled with water. The water is poured into a rectangular tank with a base measuring 36 cm by 24 cm. What is the height of the water in the tank?

**A. Working:**

**B. Answer:** _____

2.) A rectangular box, measuring 18 cm by 16 cm by 6 cm, is completely filled with sand. The sand is transferred to a cubical flower pot. If the sand fills the flower pot completely, what is the length of one edge of the flower pot?

**A. Working:**

B. **Answer:** _____

3.) A rectangular tank is 50 cm long, 40 cm wide and 25 cm high. What is the greatest number of 3-cm cubes that the tank can contain?

**A. Working:**

B. **Answer:** _____