



Name: \_\_\_\_\_

Student Number: \_\_\_\_\_

Class: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Teacher: \_\_\_\_\_

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

1 A rectangular box measures 22 cm by 18 cm by 10 cm. It is filled with sand up to a height of 7 cm.

a Find the capacity of the box.

b Find the volume of sand in the box.

Working a:

Working b:

Answer a: \_\_\_\_\_

Answer b: \_\_\_\_\_

2 A rectangular tank measuring 30 cm by 24 cm by 15 cm contains some water. Mong poured another 7.5 l of water into the tank to fill it fully to the brim. What was the volume of water in the tank at first? Express your answer in litres.

A. Working:

B. Answer: \_\_\_\_\_

3 A rectangular tank measuring 20 cm by 15 cm by 12 cm is  $\frac{3}{4}$ -filled with water. The water is then poured into a cubical tank with edge 11 cm up to its brim. How much water is left in the rectangular tank? Express your answer in litres.

A. Working:

B. Answer: \_\_\_\_\_

