Year 11 Essentials Mini Test 1.4 **Volume and Capacity**



Name:

Resources to be provided by the student: Calculator, a single sided A4 page of notes, ruler, pens, pencils

Total: /18 Weighting: 1%

Time: 20min

1. [4 marks]

Choose an appropriate unit of measurement to describe the volume of the following items.

Refrigerator

b) Moving box

c) Takeaway food container

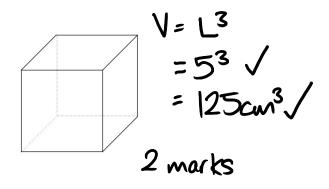
d) Car cm^3

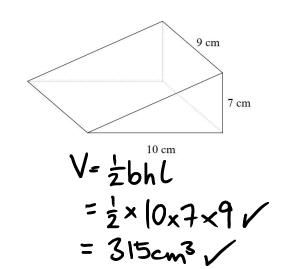
2. [4 marks]

Calculate the volume of the following 3D objects

a) A cube with edges of length 5cm

b)





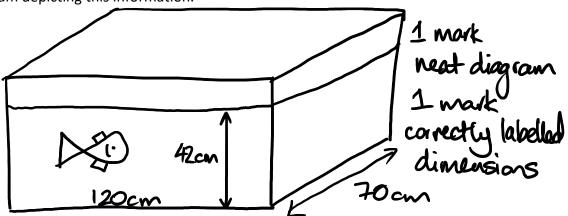
3. [4 marks]

Determine the capacity of the objects in Question 2 in millilitres and litres.

4. [6 marks]

A fish tank has rectangular sides made of glass. It is 120 cm long and 70 cm wide. The water is 42 cm deep.

a) Sketch a diagram depicting this information.



b) How many cubic centimeters of water does the fish tank contain?

c) If each litre of water occupies 1000 cm³, how many litres does the tank contain?