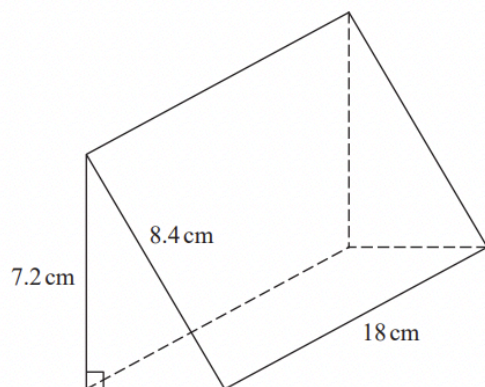


Q1 June 2018

26 Here is a triangular prism.



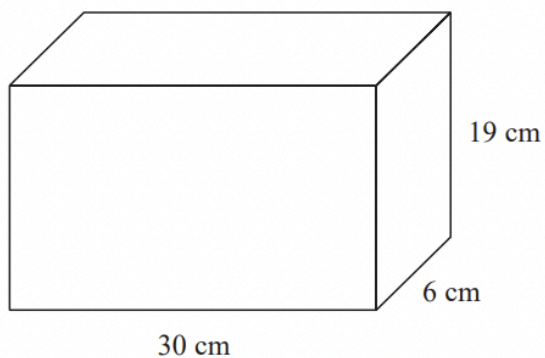
Work out the volume of the prism.
Give your answer correct to 3 significant figures.

..... cm³

(Total for Question 26 is 5 marks)

Q2 June 2019

- 23** A container is in the shape of a cuboid.



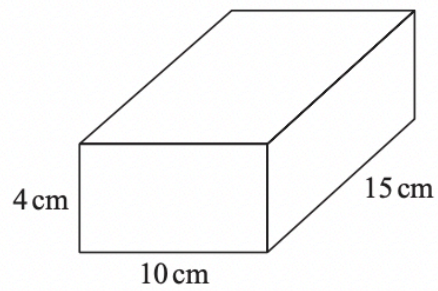
The container is $\frac{2}{3}$ full of water.

A cup holds 275 ml of water.

What is the greatest number of cups that can be completely filled with water from the container?

Q3 June 2020

11 Here is a cuboid.

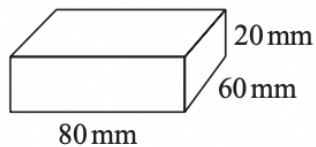


Work out the volume of the cuboid.

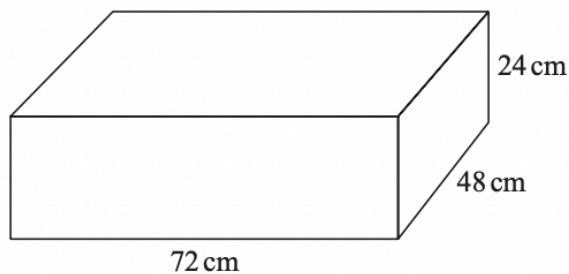
(Total for Question 11 is 3 marks)

Q4 June 2023

14 Packets of sweets are put into boxes.



Packet



Box

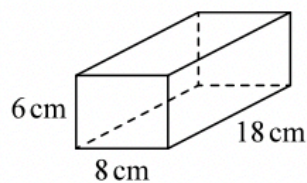
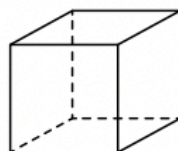
Each packet is a cuboid, 80 mm by 60 mm by 20 mm.

Each box is a cuboid, 72 cm by 48 cm by 24 cm.

Work out the greatest number of packets that can be put into each box.

(Total for Question 14 is 4 marks)

29 The diagram shows a cube and a cuboid.



The total surface area of the cube is equal to the total surface area of the cuboid.

Janet says,

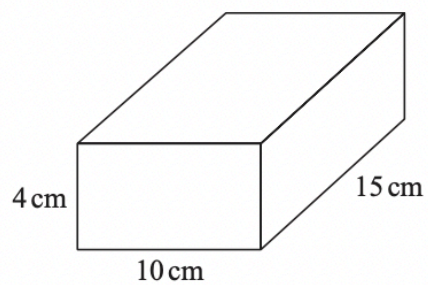
“The volume of the cube is equal to the volume of the cuboid.”

Is Janet correct?

You must show how you get your answer.

Q6 Nov 2020

11 Here is a cuboid.

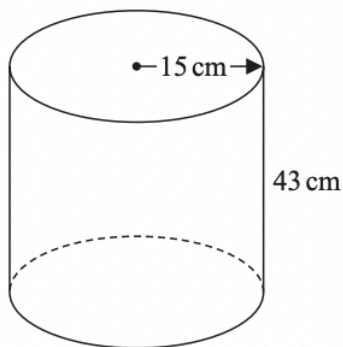


Work out the volume of the cuboid.

(Total for Question 11 is 3 marks)

Q7 Nov 2023

28 The diagram shows an empty tank in the shape of a cylinder.



The cylinder has radius 15 cm and height 43 cm.

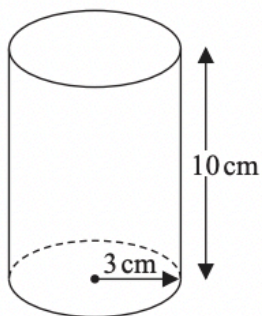
Water flows into the tank at a rate of 0.47 litres per minute.

Calculate the number of minutes it will take to completely fill the tank.
Give your answer correct to the nearest minute.

..... minutes

(Total for Question 28 is 4 marks)

- 28** The diagram shows a solid cylinder with base radius 3 cm and height 10 cm.



The cylinder is made from steel.

It has a mass of 2250 g.

Work out the density of the steel.

Give your answer correct to 3 significant figures.

..... g/cm³

(Total for Question 28 is 3 marks)