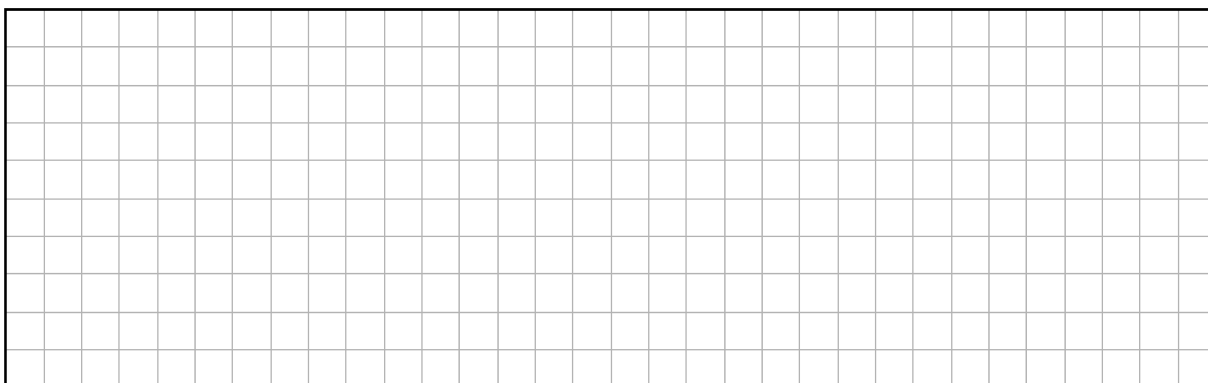
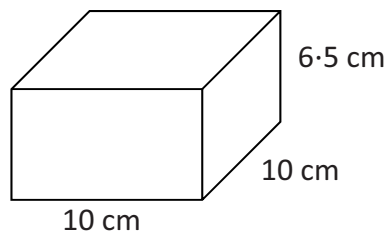


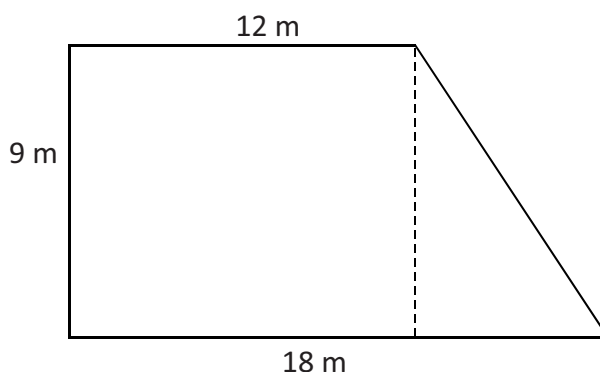
Question 8

(25 marks)

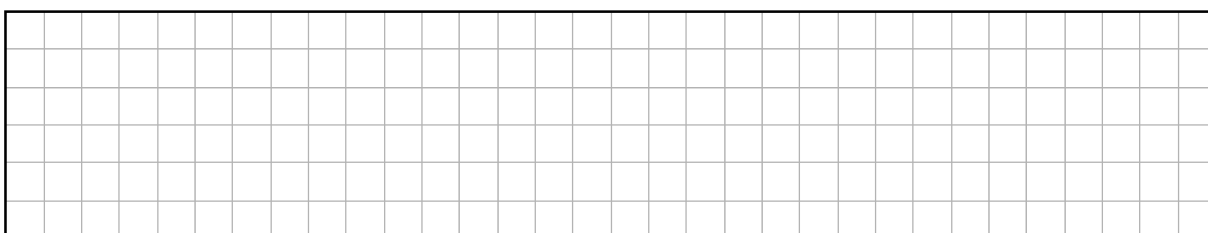
- (a) The rectangular box shown below has a square base of length 10 cm and is 6.5 cm high. Find the volume of the box.



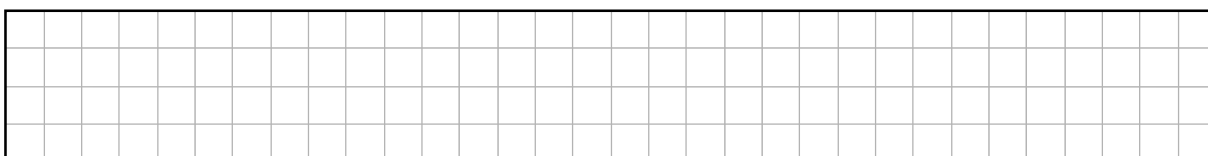
- (b) The diagram below (not drawn to scale) shows Tom's lawn, with measurements as shown.



- (i) The lawn can be divided into a rectangle and triangle (as shown by the dotted line in the diagram). Find, in m^2 , the area of the lawn.



- (ii) Tom wants to reseed his lawn. A bag of grass seed covers 20 m^2 . What is the minimum number of bags he will need to reseed the whole lawn?

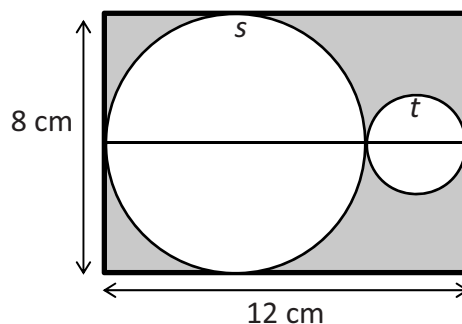


100 marks

Question 9

(45 marks)


The diameter of circle s is 8 cm.



- (a) Find the area of the rectangle, in cm^2 .

[illegible]

- (b)** Find the area of circle s . Give your answer correct to the nearest cm^2 .



- (c) The area of circle t is $\frac{1}{4}$ of the area of circle s .
Find the area of the shaded region in the diagram.

A blank sheet of graph paper with a grid pattern. The grid consists of small squares formed by thin gray lines. There are 20 columns and 15 rows of squares. A thicker black border runs along the top and left edges of the page.