

Name: _____

1. Choose the best estimate of the area of the following objects.

(a) The playing surface of an AFL football ground.

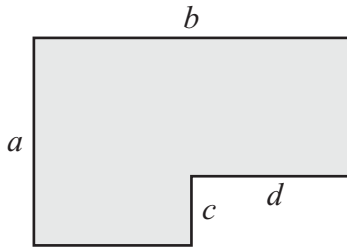
- A 200 m² B 2000 m²
 C 20 000 m² D 200 000 m²

(b) A postage stamp.

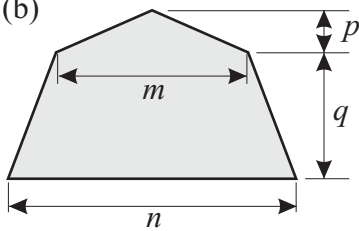
- A 1 cm² B 10 cm²
 C 50 cm² D 100 cm²

2. Write a rule that could be used to find the shaded area of the following shapes.

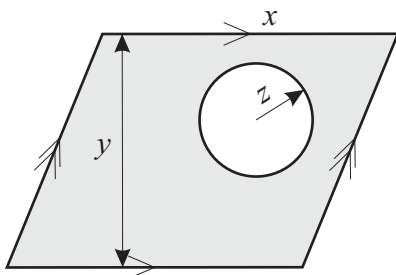
(a)



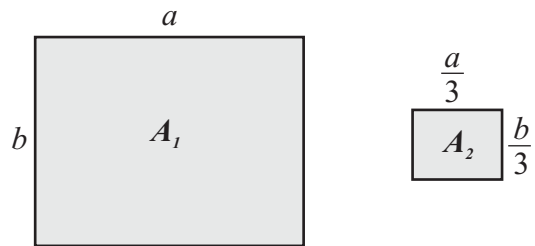
(b)



(c)



3. A rectangular sheet of paper with dimensions a and b has an area of A_1 .
The area of a sheet of paper with dimensions that are one third these is A_2 .



Which one of the following statements is correct?

- A $A_2 = \frac{1}{3} A_1$ B $A_2 = \frac{2}{3} A_1$
 C $A_2 = \frac{1}{9} A_1$ D $A_2 = \frac{2}{9} A_1$

4. Dough is rolled out to make biscuits.

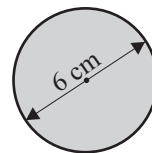
The rolled-out dough is in the shape of a rectangle, 30 cm by 24 cm. The biscuit cutter is a circle of diameter 6 cm.

(a) What is the **area** of this rectangular piece of dough?

(b) What is the maximum **number of biscuits** that could be **cut** from this sheet of dough?

(c) Find the **area** of the top of a biscuit.

Write the answer correct to **one decimal place**.



(d) What **area** of dough remains after the biscuits are cut from it?