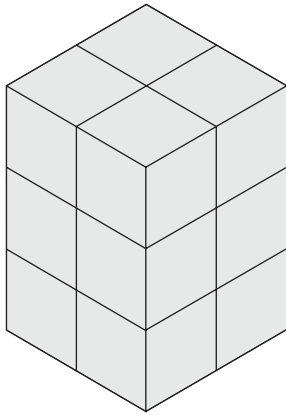


Name: \_\_\_\_\_

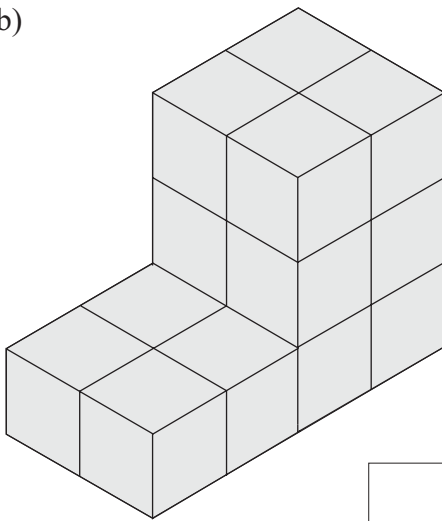
1. These shapes are made from one centimetre cubes.  
Find the **total surface area** of each shape.

(a)



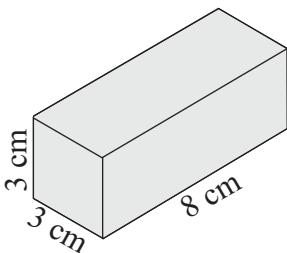
cm<sup>2</sup>

(b)



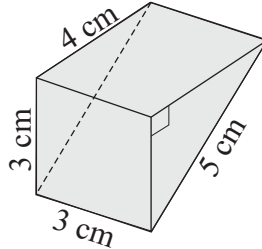
cm<sup>2</sup>

2. Calculate the **total surface area** of this shape.



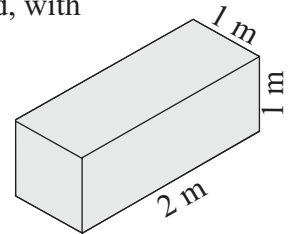
cm<sup>2</sup>

3. Calculate the **total surface area** of this shape.



cm<sup>2</sup>

4. The box, including a lid, with dimensions shown is to be made from particle board.



- (a) What is the **total surface area** of this box?

m<sup>2</sup>

- (b) If the cost of particle board is \$20 per m<sup>2</sup>, what would it cost to make the box?  
Assume there is no wastage.

\$

- (c) If the box is to be made from one large sheet of board with no waste, which of the following sizes would you choose?  
Draw a diagram.

- A 4 m × 4 m    B 3 m × 4 m  
C 5 m × 2 m    D 4 m × 2 m

