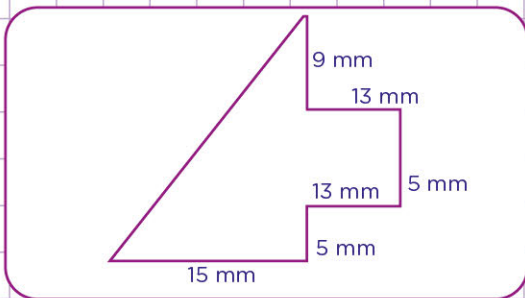


Name: Class:

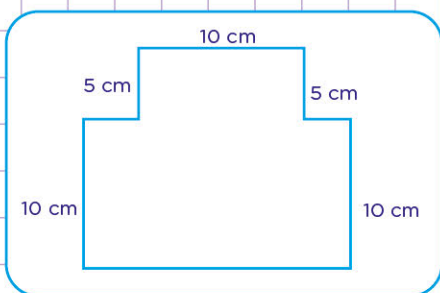
Surface area of triangular prisms

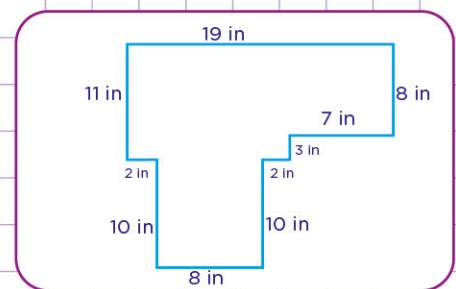
What is the area of the figure below?



What is the area of the figures below?

Calculate on rough work piece of paper and write your answers.

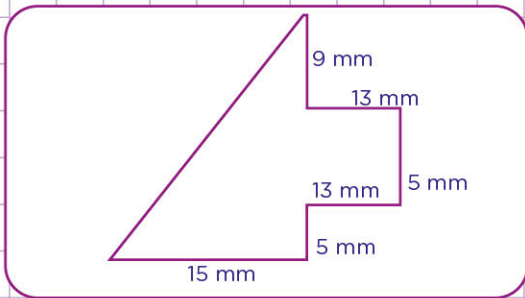




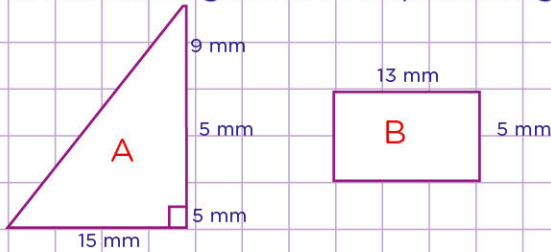
Name: Class:

Surface area of triangular prisms

What is the area of the figure below?



Divide the figure in to separate figures



Find the area of figure A

Area of triangle = $\frac{1}{2}$ x base x height

base = 15 mm

height = 9+5+5(mm) = 19mm

$$\frac{1}{2} \times 15\text{mm} \times 19\text{mm} = 142.5\text{mm}^2$$

Find the area of figure B

Area = Length x Width.

Length = 13 mm

Width = 5mm

$$\text{Area} = 13\text{mm} \times 5\text{mm}$$

$$\text{Area} = 65 \text{ mm}^2$$

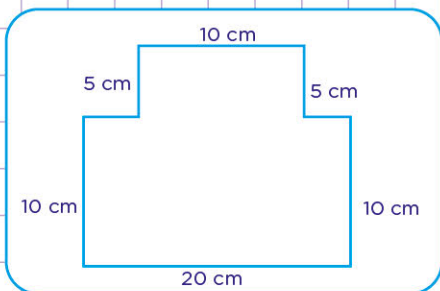
Now add the areas of figure A and B

$$142.5\text{mm}^2 + 65 \text{ mm}^2 = 207.5 \text{ mm}^2$$

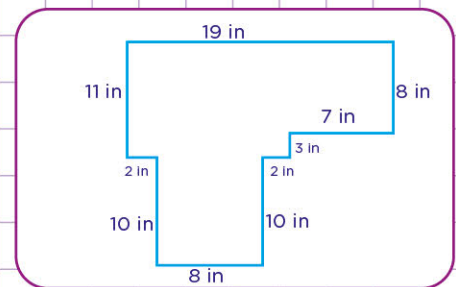
So, area of figure is **207.5 mm²**

What is the area of the figures below?

Calculate on rough work piece of paper and write your answers.



250 square centimeters



268 square inches