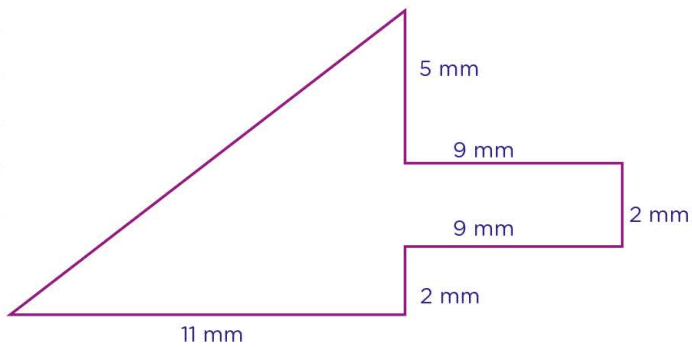


Name: Class:

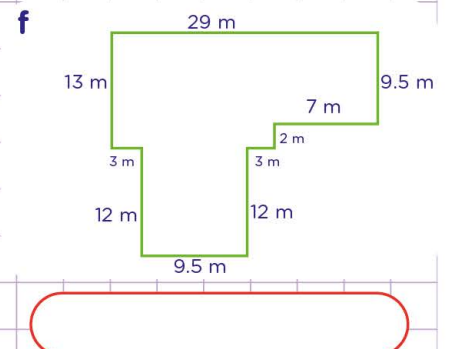
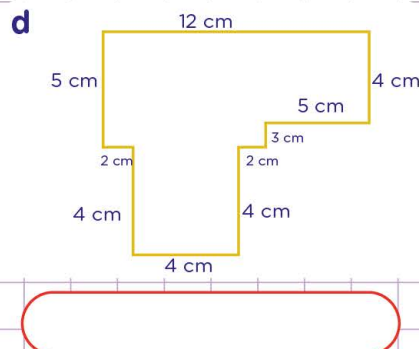
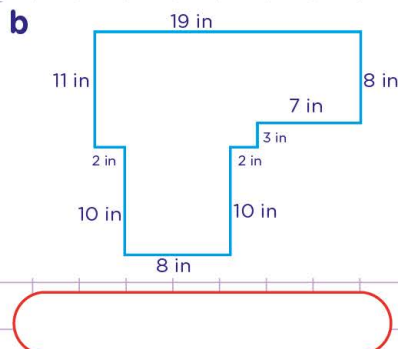
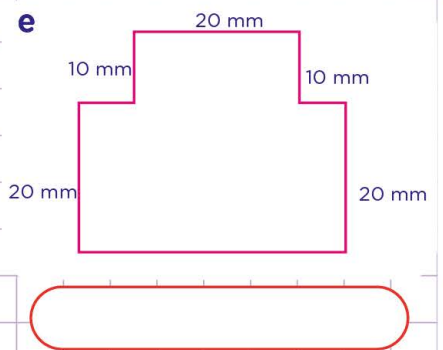
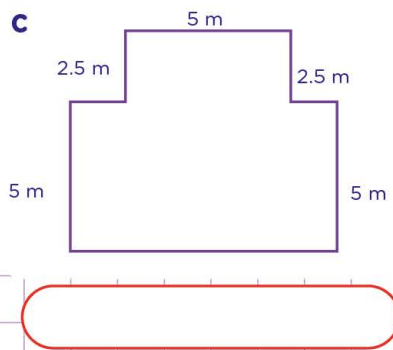
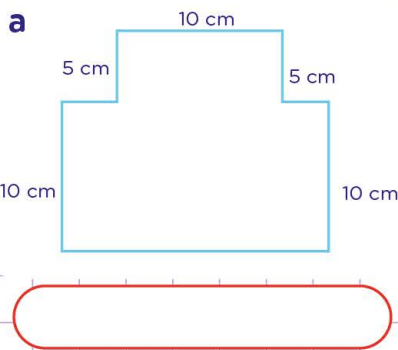
Area of compound figure with triangles and rectangles

A- What is the area of the figure below?



B- What is the area of the figures below?

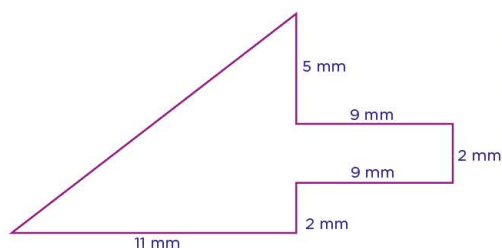
Calculate on rough work piece of paper and write your answers.



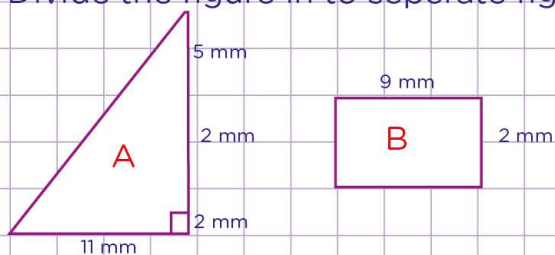
Name: Class:

Area of compound figure with triangles and rectangles

A- 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 = 11 mm

height = 5+2+2(mm) = 9 mm

$$\frac{1}{2} \times 11 \text{ mm} \times 9 \text{ mm} = 49.5 \text{ mm}^2$$

Find the area of figure B.

Area = Length x Width.

Length = 9 mm

Width = 2mm

Area = 9mm x 2mm

Area = **18 mm²**

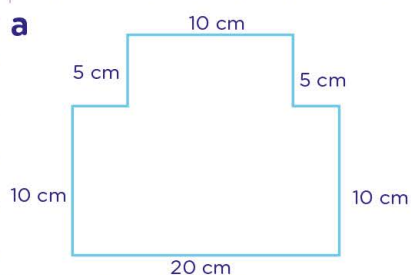
Now add the areas of figure A and B.

$$49.5 \text{ mm}^2 + 18 \text{ mm}^2 = 67.5 \text{ mm}^2$$

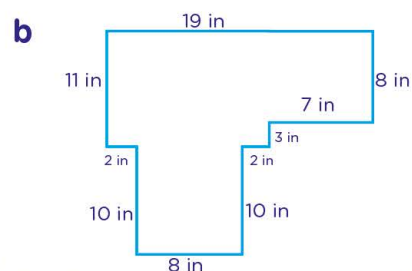
So, area of figure is **67.5 mm²**.

B- 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.