

Perimeter and Area of Composite Figures

Composite Figure:

Perimeter: Is the _____ around a figure

The perimeter of a circle has a special name. it is called the _____, and is found using either of these formulas:

$$C = \underline{\hspace{2cm}} \quad \text{OR} \quad C = \underline{\hspace{2cm}}$$

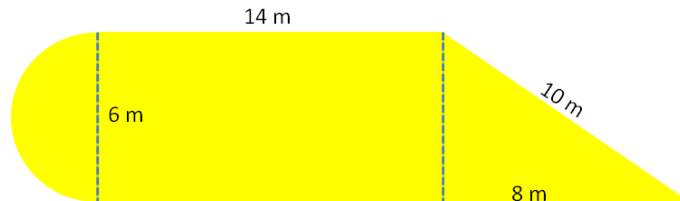
The area of a composite figure can be found by adding or subtracting the _____ of the _____ figures that compose the composite figure.



$$\underbrace{\hspace{10em}}_{\text{Area of Semi-Circle}} + \underbrace{\hspace{10em}}_{\text{Area of Rectangle}} + \underbrace{\hspace{10em}}_{\text{Area of Triangle}}$$

$$\left(\pi r^2\right) \div 2 \quad + \quad b \times h \quad + \quad b \times h \div 2$$

Your turn: Joe has to mow the lawn of the field below, how many square meters must he mow?

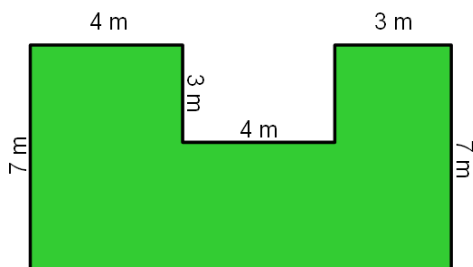


Area of Semi-Circle:

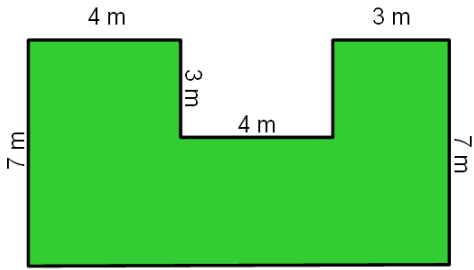
Area of Rectangle:

Area of Triangle:

Detective LeRue must investigate a crime committed at the local park. How many square meters of ground must he cover when looking for clues?



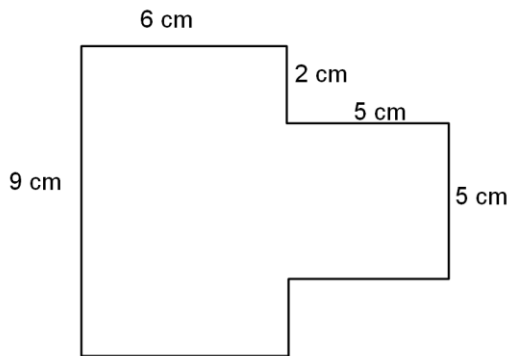
Calculations by adding:



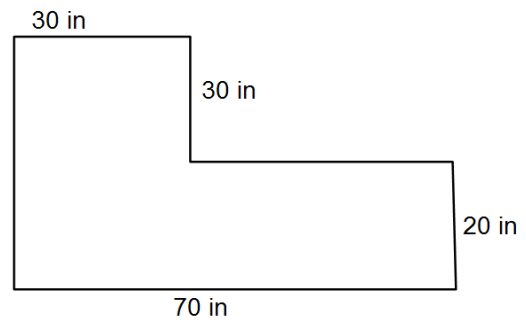
Calculations by subtracting:

Practice Problems:

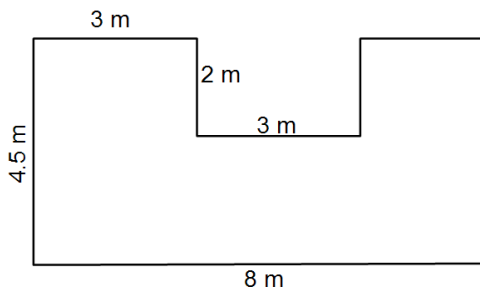
1. Find the area and perimeter



2. Find the area and perimeter

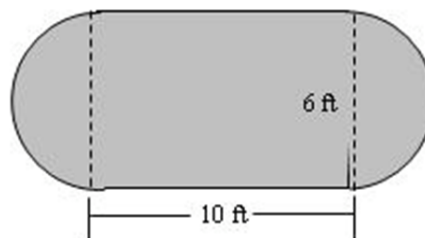


3. Find the area and perimeter

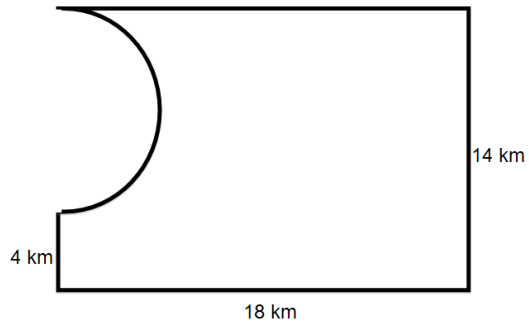


4. Find the area and perimeter.

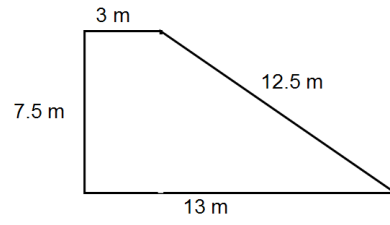
Use 3.14 for π



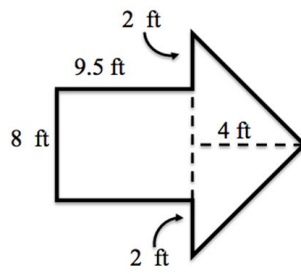
5. Find the area and perimeter



6. Find the area and perimeter



7. Find the area of the arrow.



8. Find the Area of the Shaded Region.
Use 3.14 for π .

