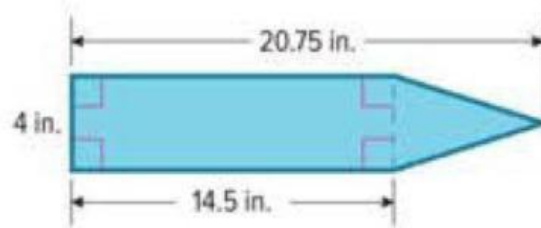


Area of Composite Figures

1. Ayanna is painting a sign made from a piece of reclaimed wood with the dimensions shown.

What is the area of the sign?



Area of rectangular part = in^2

Area of triangular part = in^2

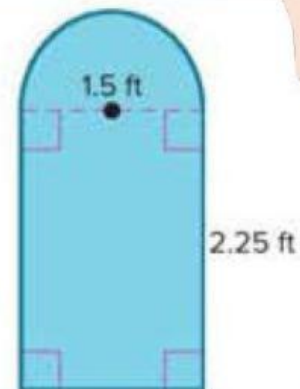
Area of the sign = $\quad + \quad = \text{in}^2$

2. Find the area of the figure. Use 3.14 for π . Round to the nearest hundredth if necessary.

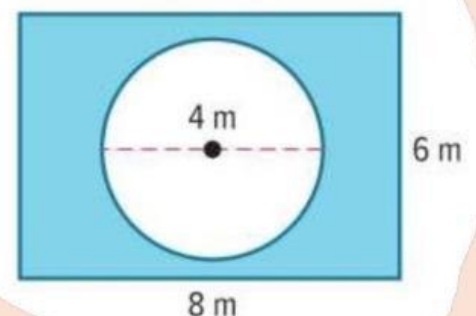
Area of semicircular part = ft^2

Area of rectangular part = ft^2

Area of the figure = $\quad + \quad = \text{ft}^2$



3. Use area formulas to find the area of a shaded region. First find the area of the entire figure. Then subtract to find the area of the shaded region.

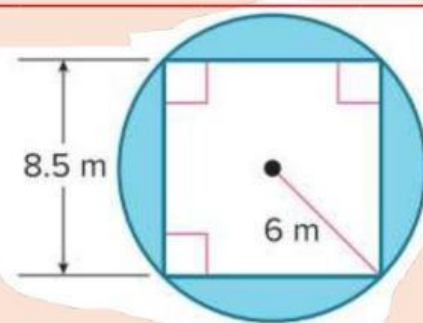


Area of rectangle = m^2

Area of circle = m^2

Area of Shaded part = $\quad = \text{m}^2$

4. Find the area of the shaded region.
Use 3.14 for π . Round to the nearest hundredth if necessary.



Area of the circle = m^2

Area of the square = m^2

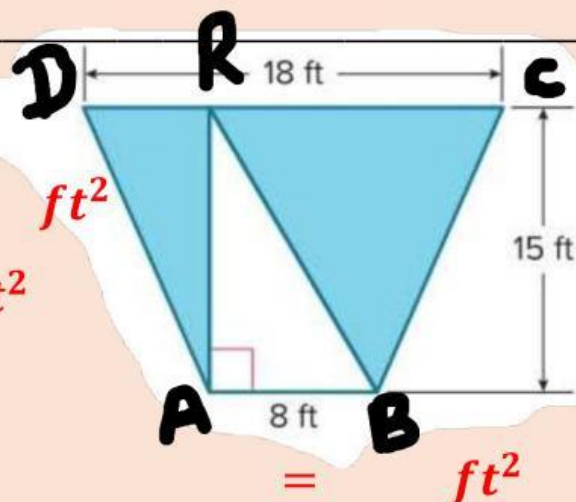
Area of the shaded region = m^2

5. Find the area of the shaded region.

Area of the trapezium ABCD = ft^2

Area of the triangle ABR = ft^2

Area of the shaded region = ft^2



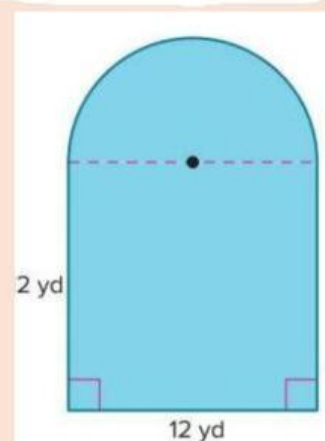
Find the area of each figure. If necessary, use 3.14 for π and round to the nearest hundredth.

6.

Area of the semi-circle = yd^2

Area of the rectangle = yd^2

Combine area of the figure = yd^2

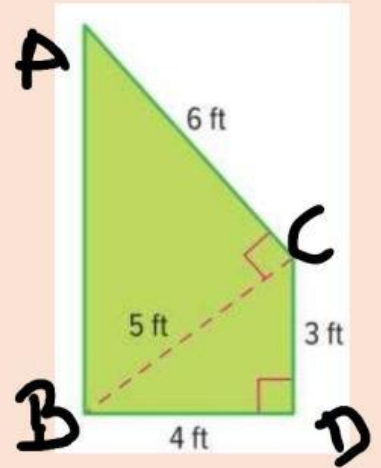


7.

Area $\triangle ABC =$ ft^2

Area $\triangle BCD =$ ft^2

Area of the figure = ft^2

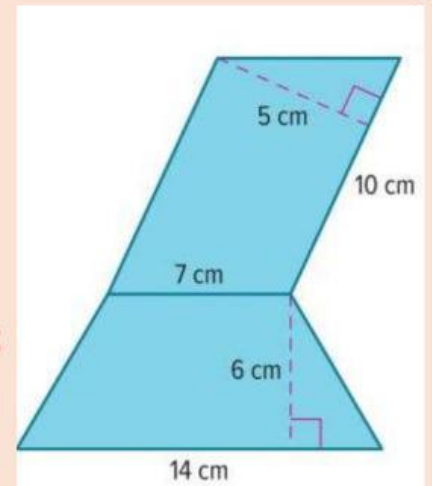


8.

Area of the parallelogram = cm^2

Area of the trapezium = cm^2

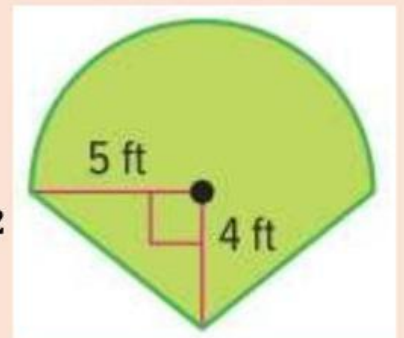
Area of the figure = cm^2



9. Area of semi-circular part = ft^2

Area of triangular part = ft^2

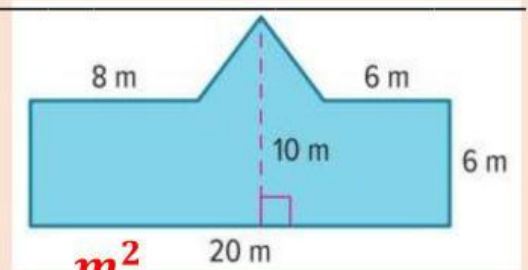
Area of the figure = ft^2



10. Area of the rectangle = m^2

Area of the Triangle = m^2

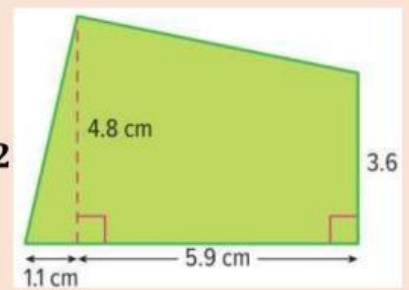
Area of the figure = m^2



11. Area of the trapezium = m^2

Area of the Triangle = m^2

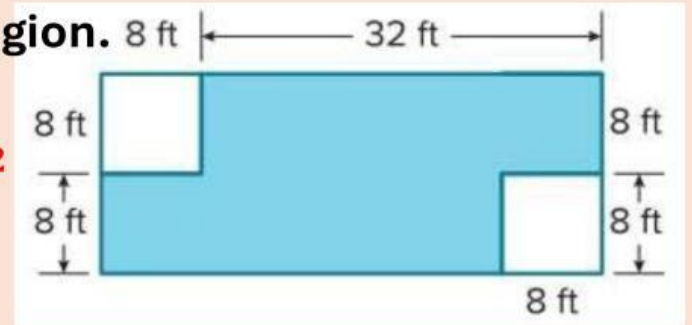
Area of the figure = m^2



12. Find the area of shaded region.

Area of the rectangle = ft^2

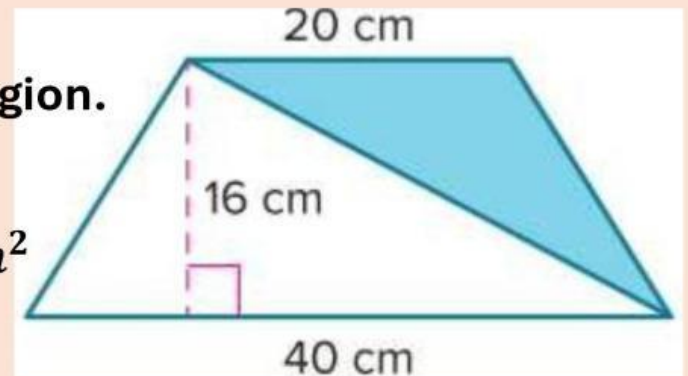
Area of each square = ft^2



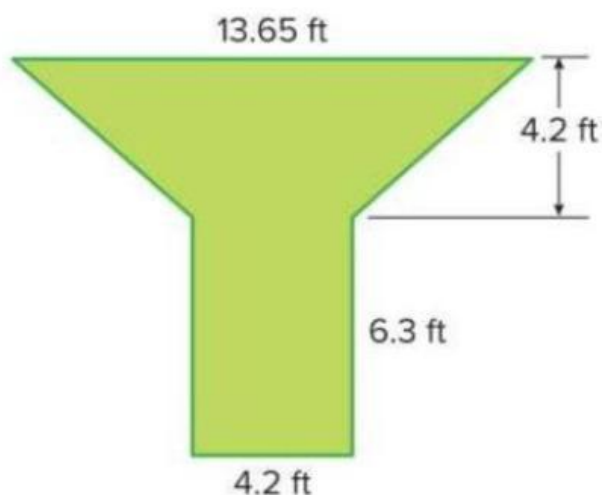
Area of shaded region = ft^2

13. Find the area of shaded region.

Area of the shaded region = cm^2



14. The Jamesons hired a landscaper to create the walkway shown.



If one case of decorative stone costs \$25 and covers 6 square feet, how much will it cost to cover the walkway?

Area of the Trapezoid part = ft^2

Area of the rectangular part = ft^2

Area of the walkway = ft^2

Number of case of decorative stones required = $\frac{\text{Area of the walkway}}{\text{Area covered by one case}} =$

Cost to cover the walkway = \$