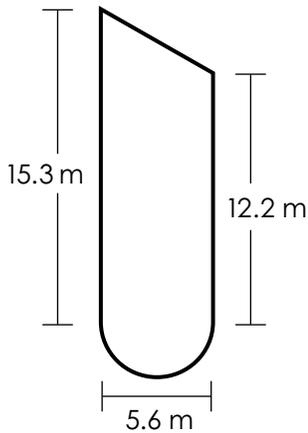


Area of an Irregular Shape

To find the area of an irregular shape made of rectangles, triangles, or fractions of circles, cut the shape into two or more parts and add the area of each part.



Area of Rectangle

$$A = l \times w$$

$$A = 5.6 \times 12.2$$

$$A = 68.32 \text{ m}^2$$

Area of Triangle

$$A = \frac{1}{2} \times b \times h$$

$$A = \frac{1}{2} \times 5.6 \times 3.1$$

$$A = 8.68 \text{ m}^2$$

Area of Semicircle

$$A = \frac{\pi \times r^2}{2}$$

$$A = \frac{3.14 \times 2.8^2}{2}$$

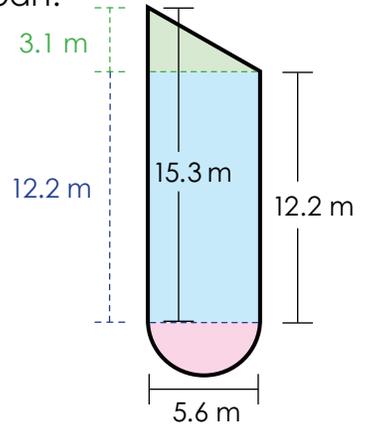
$$A = \frac{24.6176}{2}$$

$$A = 12.3088 \text{ m}^2$$

Total Area:

$$A = 68.32 \text{ m}^2 + 8.68 \text{ m}^2 + 12.3088 \text{ m}^2$$

$$A = 89.3088 \text{ m}^2 \rightarrow 89.31 \text{ m}^2$$

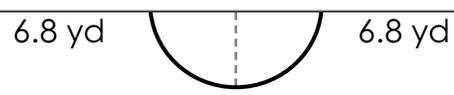


Preview

Please log in to download the printable version of this worksheet.

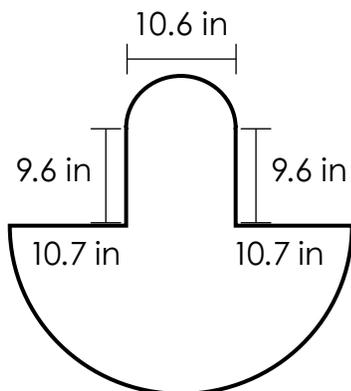


answer = _____



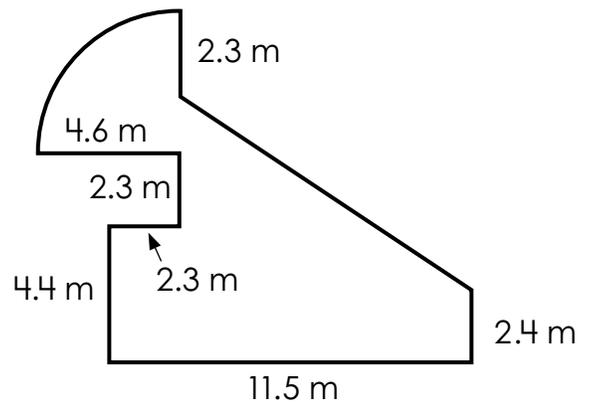
answer = _____

3.



answer = _____

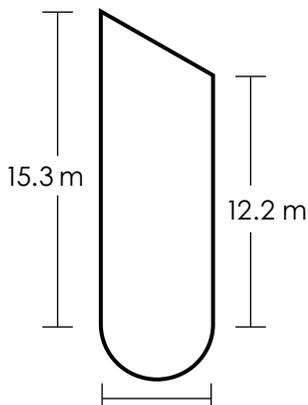
4.



answer = _____

Area of an Irregular Shape

To find the area of an irregular shape made of rectangles, triangles, or fractions of circles, cut the shape into two or more parts and add the area of each part.



Area of Rectangle

$$A = l \times w$$

$$A = 5.6 \times 12.2$$

$$A = 68.32 \text{ m}^2$$

Area of Triangle

$$A = \frac{1}{2} \times b \times h$$

$$A = \frac{1}{2} \times 5.6 \times 3.1$$

Area of Semicircle

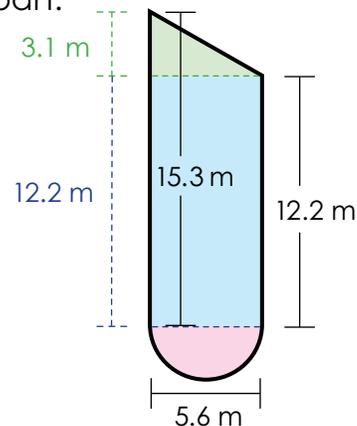
$$A = \frac{\pi \times r^2}{2}$$

$$A = \frac{3.14 \times 2.8^2}{2}$$

$$A = \frac{24.6176}{2}$$

$$A = 12.3088 \text{ m}^2$$

Total Area:



Preview

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