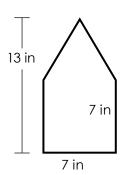
## Area of an Irregular Shape

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



## Area of

$$A = \frac{1}{2} \times b \times h$$
  $A = I \times w$   $A = 21 \text{ in}^2 + 49 \text{ in}^2$ 

$$A = \frac{1}{2} \times 7 \times 6$$
  $A = 7 \times 7$   $A = 70 \text{ in}^2$ 

$$A = 21 \text{ in}^2$$

#### Triangle Rectangle

$$A = / \times w$$

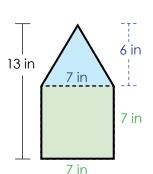
$$A = 7 \times 7$$

$$A = 21 \text{ in}^2$$
  $A = 49 \text{ in}^2$ 

### Area:

$$A = 21 \text{ in}^2 + 49 \text{ in}^2$$

$$A = 70 \text{ in}^2$$



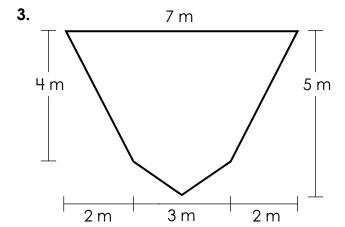
Find the area of each shape. Include units in your answer.



4.

## Preview

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answer = \_\_\_\_\_

3 yd

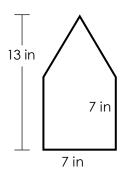
answer = \_\_\_\_

#### **ANSWER KEY**



#### Area of an Irregular Shape

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



#### Area of **Triangle**

$$A = \frac{1}{2} \times b \times h$$
  $A = I \times w$   $A = 21 \text{ in}^2 + 49 \text{ in}^2$ 

$$A = \frac{1}{2} \times 7 \times 6$$
  $A = 7 \times 7$   $A = 70 \text{ in}^2$ 

$$A = 21 \text{ in}^2$$

#### Area of Rectangle

$$A = I \times w$$

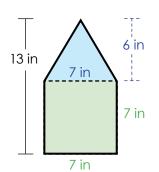
$$A = 7 \times 7$$

$$A = 49 \text{ in}^2$$

#### Total Area:

$$A = 21 \text{ in}^2 + 49 \text{ in}^2$$

$$A = 70 \text{ in}^2$$



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