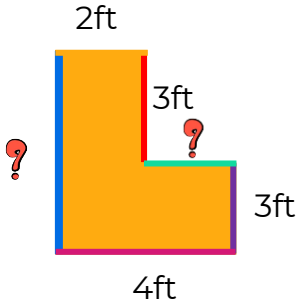




# Shake up the shapes - decomposition of shapes

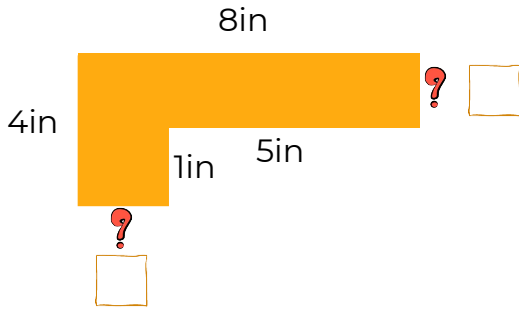
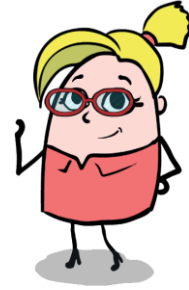
Use the numbers given on each shape to fill in the missing lengths.



$$3\text{ft} + 3\text{ft} = 6\text{ft}$$

$$4\text{ft} - 2\text{ft} = 2\text{ft}$$

Example



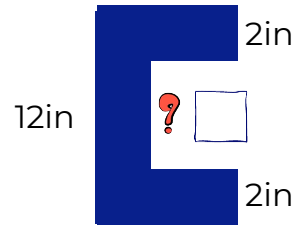

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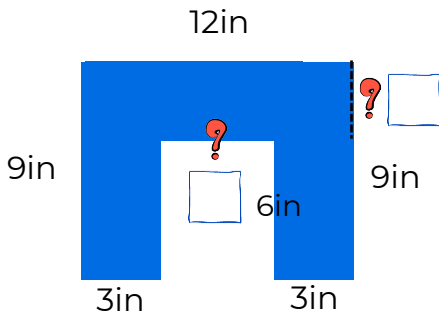

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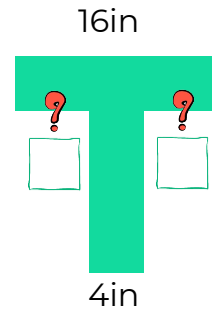

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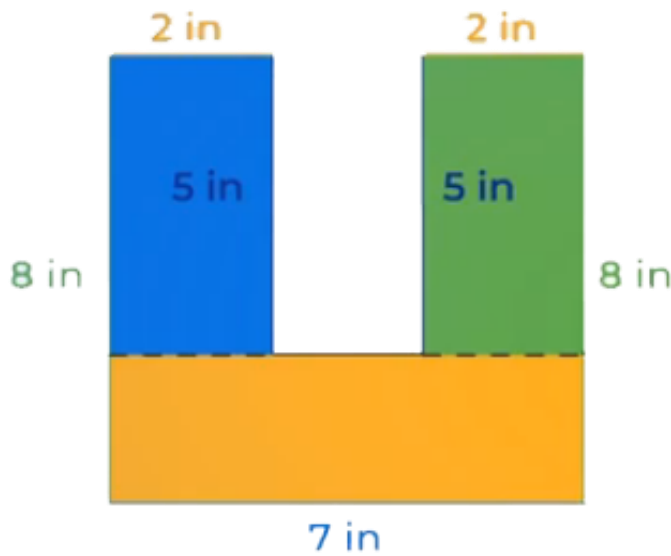
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# Shake up the shapes - decomposition of shapes

Find the area of each shape by decomposing them (breaking the big shape into smaller shapes). Follow the example.

## Example



$$\begin{aligned} 2 \times 5 &= 10 \text{ in}^2 \rightarrow \text{blue rectangle} \\ 2 \times 5 &= 10 \text{ in}^2 \rightarrow \text{green rectangle} \\ 8 - 5 &= 3 \text{ in}^2 \\ 7 \times 3 &= 21 \text{ in}^2 \rightarrow \text{orange rectangle} \end{aligned}$$



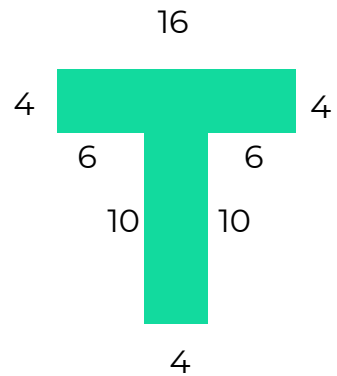
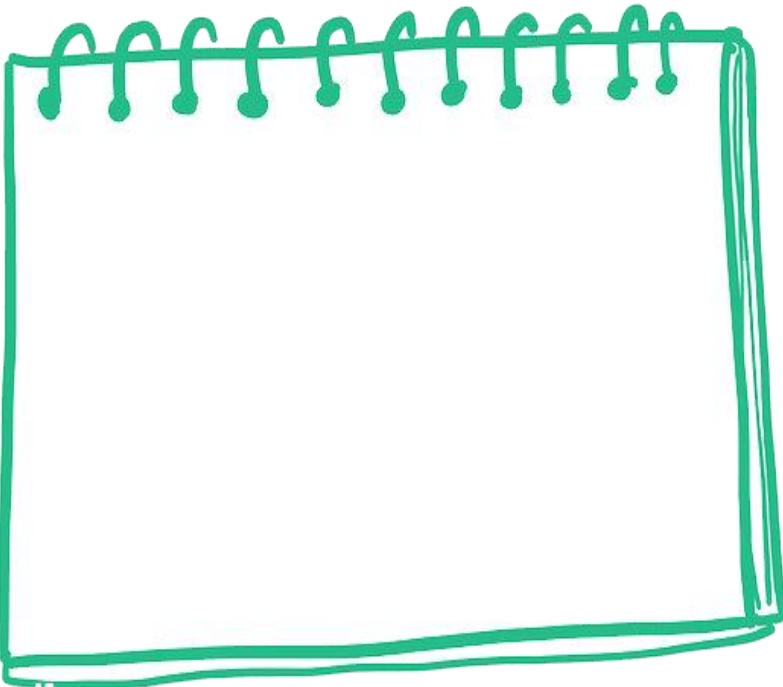
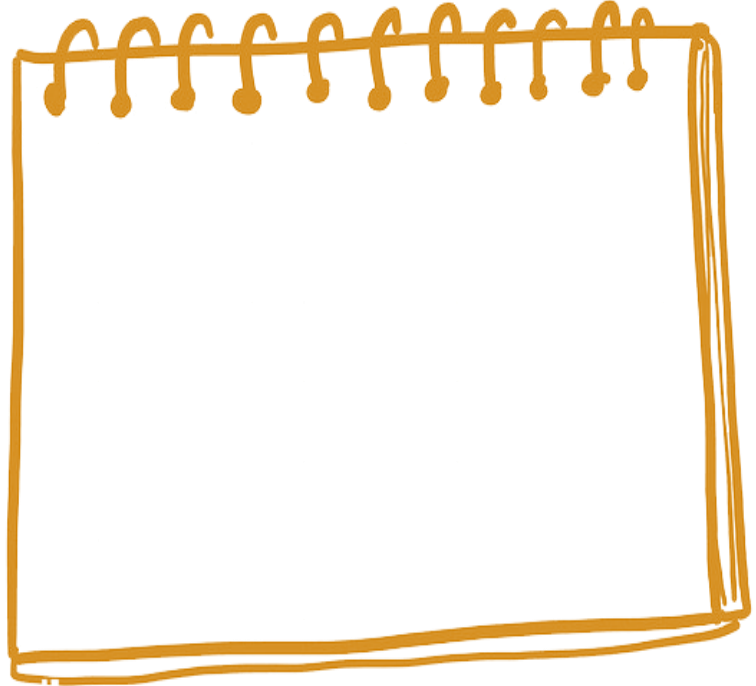
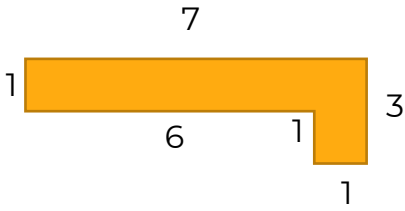
$$\begin{aligned} 10 &+ 10 \\ \swarrow &\searrow \\ 20 &+ 21 \\ \swarrow &\searrow \\ 41 \text{ in}^2 \end{aligned}$$



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# Shake up the shapes - decomposition of shapes



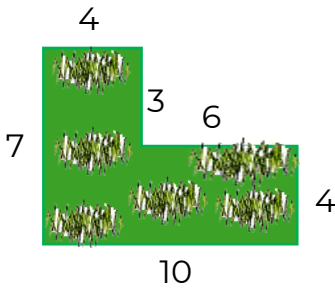
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# Shake up the shapes - decomposition of shapes

Use the pictures with each word problem to solve the area of each shape.

1. Jenny's family is putting grass in their oddly-shaped backyard. Can you help her solve the area of her backyard using the picture?




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2. Mia is decorating a big letter "t" for her teacher by covering it with glittery paper. Solve the area of the shape to see how much paper she needs.

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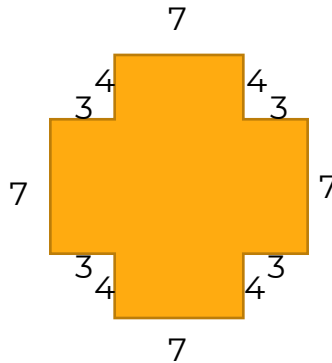
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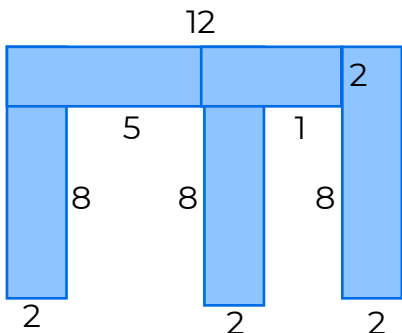
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3. Latiffa is painting the wall in her room, but she has to work around her door and closet. What is the area of wall she will paint?




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