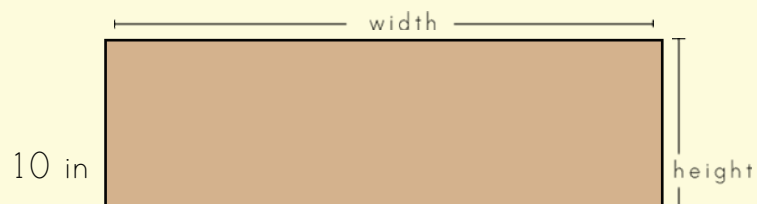


Advanced Perimeter

We have learned to use the measurements of each side to calculate the perimeter of a polygon. Did you know that we can use the perimeter to calculate the length of the sides as well? Let's try to do it together!

example: The perimeter of this rectangle is 50 inches. The height is 10 inches, can you calculate what the width is?



PREVIEW

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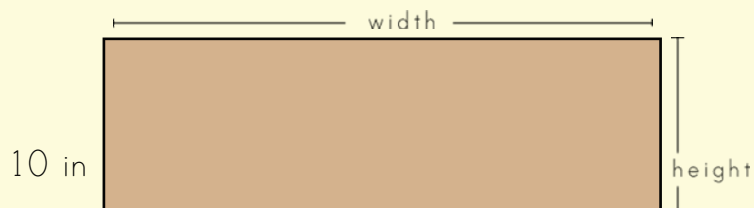
1. The perimeter of a rectangle is 32 inches. Its width is 10 inches long. What is the length of its height?

2. The perimeter of a triangle is 16 cm. One side is 6 cm long, the other one is 4 cm. What is the length of the third side?

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1. The perimeter of a rectangle is 32 inches. Its width is 10 inches long. What is the length of its height?

$$\begin{aligned} & (32 - 10 - 10) \div 2 \\ & = 12 \div 2 \\ & = 6 \text{ in} \end{aligned}$$

2. The perimeter of a triangle is 16 cm. One side is 6 cm long, the other one is 4 cm. What is the length of the third side?

$$\begin{aligned} & 16 - 6 - 4 \\ & = 6 \text{ cm} \end{aligned}$$