

The formula for the perimeter of a rectangle is  $P=2l + 2w$ . The length of the rectangle is 4 units longer than the width.

Write an algebraic expression that can be used to find the perimeter.

$$l = \boxed{w + 4}$$

$$\begin{aligned} & 2l + 2w \\ & 2(w + 4) + 2w \\ & 2w + 8 + 2w \\ & \boxed{4w + 8} \end{aligned}$$

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