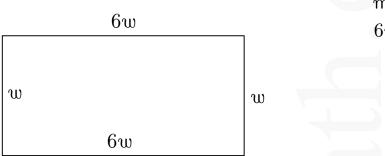
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A rectangle length is six times its width. Let w denote the width of the rectangle. Write a polynomial to represent the perimeter of the rectangle.

Draw a rectangle, and label the sides so the problem will seem more concrete.
1a) Label the vertical sides w.
1b) The phrase length is six times the width



1b) The phrase length is six times the width means L=6w. So label the horizontal sides 6w.

2) Now go around the shape, and ada the terms to get the whole perimeter.

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Perimeter=w+6w+w+6w=14w
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Note: Don't forget that w really means 1w, so that we have 1w+6w+1w+6w=14w