

## 6.EE Rectangle Perimeter 3

### Task

Sadie computes the perimeter of a rectangle by adding the length,  $l$ , and width,  $w$ , and doubling this sum. Eric computes the perimeter of a rectangle by doubling the length,  $l$ , doubling the width,  $w$ , and adding the doubled amounts.

- Write an expression for Sadie's way of calculating the perimeter. Write an expression for Eric's way as well.
- Use both of the expressions to find the perimeter of a rectangle with length 30 and width 75.
- Explain why Sadie and Eric always get the same answer, no matter what the length and width of the rectangle are.



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