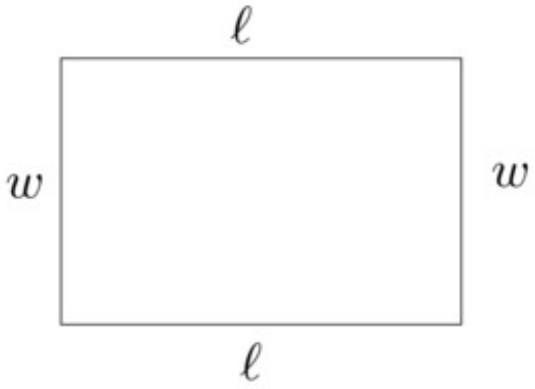
6.EE Rectangle Perimeter 2

Task

The students in Mr. Nolan's class are writing expressions for the perimeter of a rectangle of side length ℓ and width w. After they share their answers, the following expressions are on the board:

- Sam: $2(\ell + w)$
- Joanna: $\ell + w + \ell + w$
- Kiyo: $2\ell + w$
- Erica: $2w + 2\ell$



Which of the expressions are correct and how might the students have been thinking about finding the perimeter of the rectangle?

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