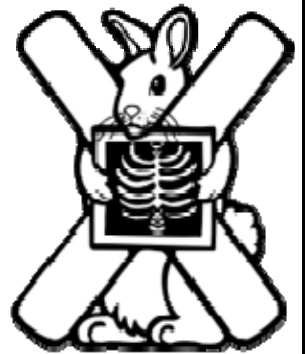Name _____   Date _____
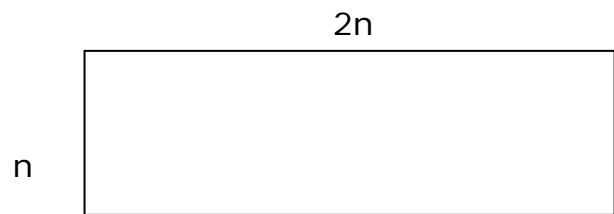
Simplifying Linear Expressions - Step-by-Step Lesson

1. Simplify the expression:

A rectangle is two times as long as its width.

One way to write an expression to find the perimeter would be:

n + n + 2n + 2n

Write the expression in one other way.

2n

n

2. Write equivalent expressions for: 6b + 18.

Explanation:

1)We can simply combine all the like terms:

n + n + 2n + 2n   (consider n = 1n)

1n + 1 n + 2n + 2n   (combine like terms)

6n

2) We need to generate an equivalent expression.

Possible solutions might include factoring as in 6(b + 18), or other expressions such as

2b + 2b +2b + 9 + 9