

## Smarter Balanced Assessment Item Illustrating 8.EE.C.8c

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Simone and Nang read a total of 23 books over the summer. Simone read 5 more books than Nang.

Enter the number of books Nang read.

### Answer Key

9

### Elaboration on Alignment

This item requires students to write and solve a system of equations in two variables (e.g.,  $x + y = 23$ ;  $x = y + 5$ ) or write and solve an equation in one variable [e.g.,  $x + (x + 5) = 23$ ] or to use methods involving only arithmetic. The wording of standard 8.EE.C.8c: "Solve...problems leading to two linear equations in two variables" gives careful recognition to the idea that there are multiple ways to approach problems of this general type, with a system of equations being one approach.

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