**Unit 2 Equations in One Variable**

**Learning Target 4 Solve Equations with Variables on Each Side**



 **Solve 8*y* – 3 = 6*y* + 17. Check your solution.**



So, the solution is 10.

To check the solution, replace *y* with 10 in the original equation.



 77 = 77 🗸 The sentence is true.

 **Nine fewer than half a number is five more than four times the number. Define a variable, write an equation, and solve to find the number.**



**Words**  Nine fewer than half a number is five more than four times the number.

**Variable** Let *n* represent the number.

**Equation** 0.5*n* – 9 = 4*n* + 5

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