

## Exercise 51

Eric has rock and country songs on his playlist. The number of rock songs is 14 more than twice the number of country songs. Let  $c$  represent the number of country songs. Write an expression for the number of rock songs.

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### Solution

Begin by assigning variables to the unknown quantities.

Let  $r$  be the number of rock songs in Eric's playlist.

Let  $c$  be the number of country songs in Eric's playlist.

Use the information in the problem to write an equation relating the variables.

The number of rock songs is 14 more than twice the number of country songs  $\Rightarrow r = 14 + 2c$