

## Exercise 54

Jeannette has \$5 and \$10 bills in her wallet. The number of fives is three more than six times the number of tens. Let  $t$  represent the number of tens. Write an expression for the number of fives.

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### Solution

Begin by assigning variables to the unknown quantities.

Let  $f$  be the number of five dollar bills.

Let  $t$  be the number of ten dollar bills.

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

The number of fives is three more than six times the number of tens  $\Rightarrow f = 3 + 6t$