

## Exercise 53

For the following exercises, consider this scenario: Fred earns \$40 at the community garden. He spends \$10 on a streaming subscription, puts half of what is left in a savings account, and gets another \$5 for walking his neighbor's dog.

Write the expression that represents the number of dollars Fred keeps (and does not put in his savings account). Remember the order of operations.

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### Solution

Fred earns \$40 at the community garden.

$$\$40$$

He spends \$10 on a streaming subscription.

$$\$40 - \$10$$

$$\$30$$

He puts half of what is left in a savings account.

$$\$30 - \frac{\$30}{2}$$

$$\$30 - \$15$$

$$\$15$$

He gets another \$5 for walking his neighbor's dog.

$$\$15 + \$5$$

$$\$20$$

The single expression that represents all of this is

$$\frac{\$40 - \$10}{2} + \$5.$$