

Task 1-A

Write an expression for the word phrase.

Write the expression in ***simplest form*** (using the fewest number of symbols and characters).

Then, **evaluate the expression** for the given value.

8 less than the product of 6 and x

$$x = 7$$

Task 1-B

Write an expression for the word phrase.

Write the expression in ***simplest form*** (using the fewest number of symbols and characters).

Then, **evaluate the expression** for the given value.

9 more than the quotient of y and 2

$$y = 18$$

Task 1-C

Write an expression for the word phrase.

Write the expression in ***simplest form*** (using the fewest number of symbols and characters).

Then, **evaluate the expression** for the given value.

the product of 4 and the sum of 4 and k

$$k = 8$$

Task 1-D

Write an expression for the word phrase.

Write the expression in ***simplest form*** (using the fewest number of symbols and characters).

Then, **evaluate the expression** for the given value.

the square of n decreased by the quotient of 28 and 7

$$n = 6$$

Task 1-E

Write an expression for the word phrase.

Write the expression in ***simplest form*** (using the fewest number of symbols and characters).

Then, **evaluate the expression** for the given value.

the product of x and the square of y

$$x = 3, y = 5$$

Task 1-F

Write an expression for the word phrase.

Write the expression in ***simplest form*** (using the fewest number of symbols and characters).

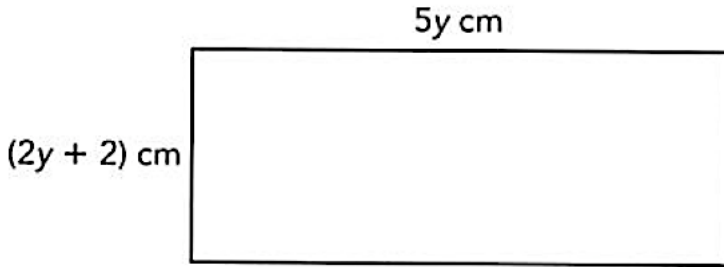
Then, **evaluate the expression** for the given value.

p taken away from the sum of $\frac{2}{3}$ and q

$$p = \frac{3}{2}, q = 2\frac{1}{6}$$

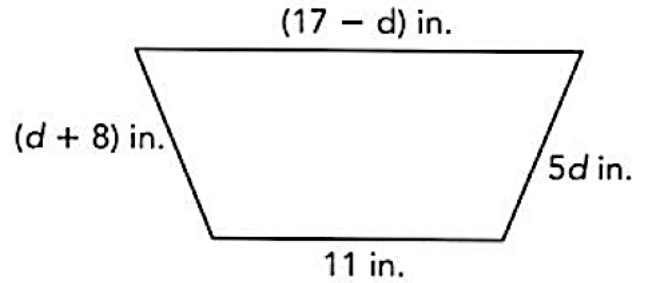
Task 2-A

Find the perimeter of the rectangle.
Write the expression in ***simplest form***.



Task 2-B

Find the perimeter of the trapezoid.
Write the expression in ***simplest form***.



Task 2-C

Write the expression in ***simplest form***.

Peggy bought 2 racing cars for $5x$ dollars each and 3 motorcycles for $3x$ dollars each.
Find the amount of money Peggy spent in terms of x .

Task 2-D

Write the expression in ***simplest form***.

Naomi baked $5p$ croissants.
Joel baked twice as many croissants as Naomi. Anthony baked 16 fewer croissants than Joel. Find the total number of croissants they baked in terms of p .

Task 2-E

Write the expression in ***simplest form***.

Sammy had $20g$ dollars. He spent $3g$ dollars for breakfast, \$5 for maps, and $6g$ dollars for a guide book. Find the amount of money Sammy had left in terms of g .

Task 2-F

Square ABCD has sides that measure $(a+2)$ inches. Rectangle PQRS measures $(a+5)$ inches by $(a-1)$ inches.
Are the perimeters of ABCD and PQRS equal? Explain why or why not.

Task 3-A

A train is moving at an average speed of $(5x-8)$ miles per hour.

The train travels for 3 hours.

Write an expression in terms of x that represents the distance traveled by the train.

Use your expression to find the distance traveled if $x = 15$.

Task 3-B

The cost of tickets to a water park is \$16.00 per person.

There is also a \$2.50 one-time fee for online purchases.

Write an expression in terms of n that represents the cost for ordering n tickets online.

Use your expression to find the total cost for ordering 4 tickets online.

Task 3-C

Mason bought a box of markers for y dollars,
a backpack that cost twice as much as the box of markers, and
a pair of shoes that cost \$6 less than the backpack.

Write an expression in terms of y that represents the cost of the shoes.

Use your expression to find the cost of the shoes if the box of markers was \$17.50.

Task 3-D

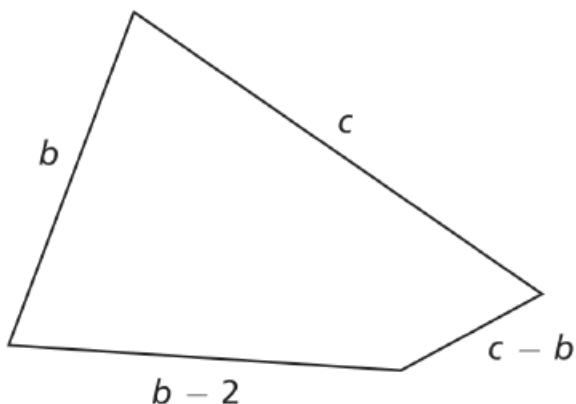
Zelma buys p pounds of bananas for 40 cents per pound.

She pays the clerk with a 20 dollar bill.

Write an expression that represents the amount of change Zelma should receive.

Use your expression to find the amount of change Zelma receives if she buys 25 pounds of bananas.

Task 3-E



Write an expression using the variables b and c that could be used to find the perimeter of the quadrilateral.

If $b = 11$ and $c = 16$ what is the perimeter of the quadrilateral?

Task 3-F

A square has sides $\frac{5s+2}{4}$ yards long.

A rectangle is $(s + 9)$ yards long and $(3s - 5)$ yards wide.

Find the difference between the perimeters of the two figures if $s = 7$.
