Write each verbal statement as an algebraic equation.

The national brand chilli costs 79 cents more than the store brand chilli.

It took Esther twice as long as Helen to finish the project.

At the theater the price of an adult ticket is $1.50 less than twice the price of a child's ticket.

Carolyn is driving five miles per hour under the speed limit.

Camille is three inches taller than Dakota.

If Erin gives 5 of her coins to Calvin, he will have 6 more than her.

Next year Jaqueline will be twice as old as Christian.

Christian scored as many points as Julia and Kurt combined.

The length of a rectangle is two more than three times the width.

Four regular burgers cost ten cents less than one Double burger.

Eight percent of the population has blue eyes.

If you subtract a smaller number from a larger number, the result will be two more than the smaller number.

If Hannah gives 4 of her coins to Adam, he will have three times as many as her.

The product of two numbers is five times their sum.

Twice the greater of two consecutive even integers is 10 less than three times the lesser

Tanya can buy 2 large burgers for the same price as 3 small burgers.

Three consecutive odd numbers add up to fifteen

A farmer needs 40 feet of fencing to create a rectangular pen that is 8 feet longer than it is wide.

They say it takes twenty more muscles to frown than to smile.

Answer Key

Write each verbal statement as an algebraic equation.

The national brand chilli costs 79 cents more than the store brand chilli.	$n = 79 + s$
It took Esther twice as long as Helen to finish the project.	$e = 2h$
At the theater the price of an adult ticket is $1.50 less than twice the price of a child's ticket.	$a = 2c - 1.50$
Carolyn is driving five miles per hour under the speed limit.	$s = L - 5$
Camille is three inches taller than Dakota.	$c = 3 + d$
If Erin gives 5 of her coins to Calvin, he will have 6 more than her.	$e - 5 + 6 = c + 5$
Next year Jaqueline will be twice as old as Christian.	$(j + 1) = 2(c + 1)$
Christian scored as many points as Julia and Kurt combined.	$c = j + k$
The length of a rectangle is two more than three times the width.	$L = 2 + 3W$
Four regular burgers cost ten cents less than one Double burger.	$4r = d - 10$
Eight percent of the population has blue eyes.	$0.08p = b$
If you subtract a smaller number from a larger number, the result will be two more than the smaller number.	$x - y = 2 + y$
If Hannah gives 4 of her coins to Adam, he will have three times as many as her.	$3(h - 4) = a + 4$
The product of two numbers is five times their sum.	$xy = 5(x + y)$
Twice the greater of two consecutive even integers is 10 less than three times the lesser	$2(x + 2) = 3x - 10$
Tanya can buy 2 large burgers for the same price as 3 small burgers.	$2L = 3S$
Three consecutive odd numbers add up to fifteen	$x + x + 2 + x + 4 = 15$
A farmer needs 40 feet of fencing to create a rectangular pen that is 8 feet longer than it is wide.	$40 = 2w + 2(w + 8)$
They say it takes twenty more muscles to frown than to smile.	$f = s + 20$

Write each verbal statement as an algebraic equation.

The length of a rectangle is two more than four times the width.

Greg can buy 2 large jars of pickles for the same price as 5 small

jars of pickles.

Four cheeseburgers cost thirty cents less than one Colossal

burger.

The national brand peaches cost 62 cents more than the store

brand peaches.

If Shannon gives 9 of her marbles to Russ, he will have 4 more

than her.

It took Rick twice as long as Deborah to finish the project.

Grant paid for a rake and a shovel with a ten dollar bill and

received $4.77 in change.

You can convert gallons to pints by multiplying by 8.

A farmer needs 20 feet of fencing to create a rectangular pen that

is 2 feet longer than it is wide.

Twice the greater of two consecutive odd integers is 5 less than

three times the lesser

If you subtract a smaller number from a larger number, the result

will be fourteen more than the smaller number.

Next year Peter will be twice as old as Shirley.

Albert can save $2.08 by buying four six packs instead of

twenty-four cans of soda.

Sonia scored as many points as Brady and Alicia combined.

Jacob can save $2.65 by buying five pounds of peanuts instead of

four pounds of almonds.

Samantha is twice as old as Blake.

Answer Key

Write each verbal statement as an algebraic equation.

The length of a rectangle is two more than four times the width.	$L = 2 + 4W$
Greg can buy 2 large jars of pickles for the same price as 5 small jars of pickles.	$2L = 5S$
Four cheeseburgers cost thirty cents less than one Colossal burger.	$4c = c - 30$
The national brand peaches cost 62 cents more than the store brand peaches.	$n = 62 + s$
If Shannon gives 9 of her marbles to Russ, he will have 4 more than her.	$s - 9 + 4 = r + 9$
It took Rick twice as long as Deborah to finish the project.	$r = 2d$
Grant paid for a rake and a shovel with a ten dollar bill and received \$4.77 in change.	$10 - (r + s) = 4.77$
You can convert gallons to pints by multiplying by 8.	$8g = p$
A farmer needs 20 feet of fencing to create a rectangular pen that is 2 feet longer than it is wide.	$20 = 2w + 2(w + 2)$
Twice the greater of two consecutive odd integers is 5 less than three times the lesser	$2(x + 2) = 3x - 5$
If you subtract a smaller number from a larger number, the result will be fourteen more than the smaller number.	$x - y = 14 + y$
Next year Peter will be twice as old as Shirley.	$(p + 1) = 2(s + 1)$
Albert can save \$2.08 by buying four six packs instead of twenty-four cans of soda.	$24c - 4s = 2.08$
Sonia scored as many points as Brady and Alicia combined.	$s = b + a$
Jacob can save \$2.65 by buying five pounds of peanuts instead of four pounds of almonds.	$4a - 5p = 2.65$
Samantha is twice as old as Blake.	$s = 2b$

Write each verbal statement as an algebraic equation.

If you subtract a smaller number from a larger number, the result

will be eleven more than the smaller number.

You can convert quarts to pints by multiplying by 2.

The sum of two numbers is three times their difference.

Sam can save $2.01 by buying three six packs instead of eighteen

cans of soda.

Dawn arrived 4 minutes after Roger.

At the aquarium the price of an adult ticket is $2.00 less than twice

the price of a child's ticket.

One number is eight less than twice another number.

Ten percent of the population is left handed.

If Eric gives 5 of his marbles to Amanda, she will have 4 more than

him.

Next year Brenda will be twice as old as Johnathon.

The area of a rectangle will double if you add six inches to the

smaller side.

It took Breanna three times as long as Simon to finish the project.

The national brand buns cost 34 cents more than the store brand

buns.

Brittney paid for a box of nails and a box of screws with a fifty

dollar bill and received $3.74 in change.

Vicky scored as many points as Matthew and Raquel combined.

If Alice gives 8 of her marbles to Pete, he will have twice as many

as her.

Four regular burgers cost forty cents more than one Super burger.

The product of two numbers is six times their sum.

Answer Key

Write each verbal statement as an algebraic equation.

If you subtract a smaller number from a larger number, the result will be eleven more than the smaller number.	$x - y = 11 + y$
You can convert quarts to pints by multiplying by 2.	$2q = p$
The sum of two numbers is three times their difference.	$x + y = 3(x - y)$
Sam can save $2.01 by buying three six packs instead of eighteen cans of soda.	$18c - 3s = 2.01$
Dawn arrived 4 minutes after Roger.	$d = r + 4$
At the aquarium the price of an adult ticket is $2.00 less than twice the price of a child's ticket.	$a = 2c - 2.00$
One number is eight less than twice another number.	$x = 2y - 8$
Ten percent of the population is left handed.	$0.1p = L$
If Eric gives 5 of his marbles to Amanda, she will have 4 more than him.	$e - 5 + 4 = a + 5$
Next year Brenda will be twice as old as Johnathon.	$(b + 1) = 2(j + 1)$
The area of a rectangle will double if you add six inches to the smaller side.	$2WL = (6 + W)L$
It took Breanna three times as long as Simon to finish the project.	$b = 3s$
The national brand buns cost 34 cents more than the store brand buns.	$n = 34 + s$
Brittney paid for a box of nails and a box of screws with a fifty dollar bill and received $3.74 in change.	$50 - (n + s) = 3.74$
Vicky scored as many points as Matthew and Raquel combined.	$v = m + r$
If Alice gives 8 of her marbles to Pete, he will have twice as many as her.	$2(a - 8) = p + 8$
Four regular burgers cost forty cents more than one Super burger.	$4r = s + 40$
The product of two numbers is six times their sum.	$xy = 6(x + y)$

Write each verbal statement as an algebraic equation.

Michael can save $1.51 by buying five six packs instead of thirty

cans of soda.

If Marlene gives 8 of her marbles to Hunter, he will have twice as

many as her.

The total on two dice is 3.

At the aquarium the price of an adult ticket is $1.00 less than twice

the price of a child's ticket.

One number is seven less than twice another number.

Noah paid for a shirt and a pair of pants with a fifty dollar bill and

received $4.45 in change.

The sum of two numbers is thirteen times their difference.

A long distance phone call costs 20¢ for the first minute and 10¢

per minute after that.

Two percent of the population has red hair.

The national brand ranch dressing costs 94 cents more than the

store brand ranch dressing.

The product of two numbers is five times their sum.

Next year Cody will be twice as old as Brooke.

Eight times a number is fifteen more than five times the number

Vivian is driving five miles per hour over the speed limit.

Dennis can buy 2 large packages of hotdogs for the same price as

5 small packages of hotdogs.

Two consecutive even numbers add up to fourteen

A contractor bills his clients for expenses plus $50.00 per hour.

Clayton scored as many points as Heather and Phillip combined.

Four cheeseburgers cost thirty cents more than one Super burger.

Answer Key

Write each verbal statement as an algebraic equation.

Michael can save $1.51 by buying five six packs instead of thirty cans of soda.	$30c - 5s = 1.51$
If Marlene gives 8 of her marbles to Hunter, he will have twice as many as her.	$2(m - 8) = h + 8$
The total on two dice is 3.	$x + y = 3$
At the aquarium the price of an adult ticket is $1.00 less than twice the price of a child's ticket.	$a = 2c - 1.00$
One number is seven less than twice another number.	$x = 2y - 7$
Noah paid for a shirt and a pair of pants with a fifty dollar bill and received $4.45 in change.	$50 - (s + p) = 4.45$
The sum of two numbers is thirteen times their difference.	$x + y = 13(x - y)$
A long distance phone call costs 20¢ for the first minute and 10¢ per minute after that.	$c = 20 + 10(m - 1)$
Two percent of the population has red hair.	$0.02p = r$
The national brand ranch dressing costs 94 cents more than the store brand ranch dressing.	$n = 94 + s$
The product of two numbers is five times their sum.	$xy = 5(x + y)$
Next year Cody will be twice as old as Brooke.	$(c + 1) = 2(b + 1)$
Eight times a number is fifteen more than five times the number	$8x = 5x + 15$
Vivian is driving five miles per hour over the speed limit.	$s = L + 5$
Dennis can buy 2 large packages of hotdogs for the same price as 5 small packages of hotdogs.	$2L = 5S$
Two consecutive even numbers add up to fourteen	$x + x + 2 = 14$
A contractor bills his clients for expenses plus $50.00 per hour.	$b = e + 50h$
Clayton scored as many points as Heather and Phillip combined.	$c = h + p$
Four cheeseburgers cost thirty cents more than one Super burger.	$4c = s + 30$

Write each verbal statement as an algebraic equation.

You can convert gallons to pints by multiplying by 8.

A farmer needs 38 feet of fencing to create a rectangular pen that

is 9 feet longer than it is wide.

The national brand chilli costs 77 cents more than the store brand

chilli.

Fifty-five percent of the population has brown eyes.

A contractor bills his clients for expenses plus $25.00 per hour.

Eight times a number is four more than six times the number

Mark can save $1.75 by buying five six packs instead of thirty cans

of soda.

Next year Carissa will be twice as old as Seth.

The length of a rectangle is ten more than three times the width.

It took Marie three times as long as Claudia to finish the test.

The sum of two numbers is ten times their difference.

Anthony is driving seven miles per hour under the speed limit.

If you subtract a smaller number from a larger number, the result

will be two more than the smaller number.

Twice the greater of two consecutive even integers is 0 less than

three times the lesser

Adam scored as many points as Christy and Shane combined.

A long distance phone call costs 20¢ for the first minute and 10¢

per minute after that.

At the aquarium the price of an adult ticket is $2.00 less than twice

the price of a child's ticket.

If Marvin gives 4 of his coins to Jeanette, she will have 6 more

than him.

Answer Key

Write each verbal statement as an algebraic equation.

You can convert gallons to pints by multiplying by 8.

$8g = p$

A farmer needs 38 feet of fencing to create a rectangular pen that

is 9 feet longer than it is wide.

$38 = 2w + 2(w + 9)$

The national brand chilli costs 77 cents more than the store brand

chilli.

$n = 77 + s$

Fifty-five percent of the population has brown eyes.

$0.55p = b$

A contractor bills his clients for expenses plus $25.00 per hour.

$b = e + 25h$

Eight times a number is four more than six times the number

$8x = 6x + 4$

Mark can save $1.75 by buying five six packs instead of thirty cans

of soda.

$30c - 5s = 1.75$

Next year Carissa will be twice as old as Seth.

$(c + 1) = 2(s + 1)$

The length of a rectangle is ten more than three times the width.

$L = 10 + 3W$

It took Marie three times as long as Claudia to finish the test.

$m = 3c$

The sum of two numbers is ten times their difference.

$x + y = 10(x - y)$

Anthony is driving seven miles per hour under the speed limit.

$s = L - 7$

If you subtract a smaller number from a larger number, the result

will be two more than the smaller number.

$x - y = 2 + y$

Twice the greater of two consecutive even integers is 0 less than

three times the lesser

$2(x + 2) = 3x - 0$

Adam scored as many points as Christy and Shane combined.

$a = c + s$

A long distance phone call costs 20¢ for the first minute and 10¢

per minute after that.

$c = 20 + 10(m - 1)$

At the aquarium the price of an adult ticket is $2.00 less than twice

the price of a child's ticket.

$a = 2c - 2.00$

If Marvin gives 4 of his coins to Jeanette, she will have 6 more

than him.

$m - 4 + 6 = j + 4$

Write each verbal statement as an algebraic equation.

If Deborah gives 4 of her coins to Colton, he will have three times

as many as her.

Fred can save $1.55 by buying three six packs instead of eighteen

cans of soda.

The national brand jelly costs 85 cents more than the store brand

jelly.

If you subtract a smaller number from a larger number, the result

will be three more than the smaller number.

If Megan gives 7 of her candies to Pete, he will have 8 more than

her.

A contractor bills his clients for expenses plus $45.00 per hour.

The sum of two numbers is fifteen times their difference.

You can convert gallons to pints by multiplying by 8.

Fifty-five percent of the population has brown eyes.

Frank can buy 2 large burgers for the same price as 5 small

burgers.

Three consecutive even numbers add up to twenty-four

Greta can save $3.85 by buying five pounds of peanuts instead of

four pounds of walnuts.

It took Staci twice as long as Charlie to finish the test.

The product of two numbers is twice their sum.

The area of a rectangle will double if you add eight inches to the

smaller side.

Michelle arrived 42 minutes after Wes.

They say it takes twenty-nine more muscles to frown than to smile.

Sabrina scored as many points as Joshua and Amber combined.

Answer Key

Write each verbal statement as an algebraic equation.

If Deborah gives 4 of her coins to Colton, he will have three times as many as her.

$$3(d - 4) = c + 4$$

Fred can save $1.55 by buying three six packs instead of eighteen cans of soda.

$$18c - 3s = 1.55$$

The national brand jelly costs 85 cents more than the store brand jelly.

$$n = 85 + s$$

If you subtract a smaller number from a larger number, the result will be three more than the smaller number.

$$x - y = 3 + y$$

If Megan gives 7 of her candies to Pete, he will have 8 more than her.

$$m - 7 + 8 = p + 7$$

A contractor bills his clients for expenses plus $45.00 per hour. $b = e + 45h$

The sum of two numbers is fifteen times their difference. $x + y = 15(x - y)$

You can convert gallons to pints by multiplying by 8. $8g = p$

Fifty-five percent of the population has brown eyes. $0.55p = b$

Frank can buy 2 large burgers for the same price as 5 small burgers.

$$2L = 5S$$

Three consecutive even numbers add up to twenty-four $x + x + 2 + x + 4 = 24$

Greta can save $3.85 by buying five pounds of peanuts instead of four pounds of walnuts.

$$4w - 5p = 3.85$$

It took Staci twice as long as Charlie to finish the test. $s = 2c$

The product of two numbers is twice their sum. $xy = 2(x + y)$

The area of a rectangle will double if you add eight inches to the smaller side.

$$2WL = (8 + W)L$$

Michelle arrived 42 minutes after Wes. $m = w + 42$

They say it takes twenty-nine more muscles to frown than to smile. $f = s + 29$

Sabrina scored as many points as Joshua and Amber combined. $s = j + a$

Write each verbal statement as an algebraic equation.

A contractor bills his clients for expenses plus $85.00 per hour.

The total on two dice is 8.

Arthur can buy 2 large cans of soup for the same price as 3 small

cans of soup.

The sum of two numbers is six times their difference.

Shelly is driving five miles per hour under the speed limit.

Eight percent of the population has blue eyes.

Dan can save $1.81 by buying three pounds of swiss cheese

instead of five pounds of cheddar.

Next year Gina will be twice as old as Jeffery.

Carla paid for a rake and a shovel with a twenty dollar bill and

received $3.72 in change.

You can convert feet to inches by multiplying by 12.

If you subtract a smaller number from a larger number, the result

will be nine more than the smaller number.

The area of a rectangle will double if you add five inches to the

smaller side.

At the museum the price of an adult ticket is $1.00 less than twice

the price of a child's ticket.

They say it takes twenty-two more muscles to frown than to smile.

Twice the greater of two consecutive odd integers is 1 less than

three times the lesser

Kaitlyn arrived 13 minutes after Grant.

Two times a number is forty-five less than seven times the number

A farmer needs 22 feet of fencing to create a rectangular pen that

is 3 feet longer than it is wide.

Answer Key

Write each verbal statement as an algebraic equation.

A contractor bills his clients for expenses plus $85.00 per hour.	$b = e + 85h$
The total on two dice is 8.	$x + y = 8$
Arthur can buy 2 large cans of soup for the same price as 3 small cans of soup.	$2L = 3S$
The sum of two numbers is six times their difference.	$x + y = 6(x - y)$
Shelly is driving five miles per hour under the speed limit.	$s = L - 5$
Eight percent of the population has blue eyes.	$0.08p = b$
Dan can save $1.81 by buying three pounds of swiss cheese instead of five pounds of cheddar.	$5c - 3s = 1.81$
Next year Gina will be twice as old as Jeffery.	$(g + 1) = 2(j + 1)$
Carla paid for a rake and a shovel with a twenty dollar bill and received $3.72 in change.	$20 - (r + s) = 3.72$
You can convert feet to inches by multiplying by 12.	$12f = i$
If you subtract a smaller number from a larger number, the result will be nine more than the smaller number.	$x - y = 9 + y$
The area of a rectangle will double if you add five inches to the smaller side.	$2WL = (5 + W)L$
At the museum the price of an adult ticket is $1.00 less than twice the price of a child's ticket.	$a = 2c - 1.00$
They say it takes twenty-two more muscles to frown than to smile.	$f = s + 22$
Twice the greater of two consecutive odd integers is 1 less than three times the lesser	$2(x + 2) = 3x - 1$
Kaitlyn arrived 13 minutes after Grant.	$k = g + 13$
Two times a number is forty-five less than seven times the number	$2x = 7x - 45$
A farmer needs 22 feet of fencing to create a rectangular pen that is 3 feet longer than it is wide.	$22 = 2w + 2(w + 3)$

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