

Seven times a number is the same as 10 more than twice the number

$$7x = 2x + 10$$

Seven less than a number is twice the number

$$x - 7 = 2x$$

9 less than 5 times a number is the same as the number decreased by 1

$$5x - 9 = x - 1$$

Four times the sum of a number and ten is eight

$$4(x + 10) = 8$$

Five times the sum of six and x is the same as 2 increased by x

$$5(6 + x) = 2 + x$$

Fourteen more than a number is three times the number

$$x + 14 = 3x$$

Ten less than eight times the sum of twice a number and negative four

$$8[2x + (-4)] - 10$$

Seven more than six times the sum of a number and four

$$6(x + 4) + 7$$

Ten more than a number is three times the sum of the number and four

$$x + 10 = 3(x + 4)$$

7 less than twice a number is the same as the number decreased by eight

$$2x - 7 = x - 8$$

Five increased by three less than twice a number

$$5 + (2x - 3)$$

Four more than five times a number is the same as three times the number

$$5x + 4 = 3x$$

A number increased by twenty is 8 decreased by three times the number

$$x + 20 = 8 - 3x$$

Four more than a number is the same as 3 times the sum of the number and 12

$$x + 4 = 3(x + 12)$$

Five times the sum of seven and x is the same as eleven increased by x

$$5(7 + x) = 11 + x$$

Nine more than 8 times a number is the same as seven times the number

$$8x + 9 = 7x$$

A number increased by 16 is the same as 4 decreased by 3 times the number

$$x + 16 = 4 - 3x$$

Seven less than twice the sum of a number and five

$$2(x + 5) - 7$$

Five times a number is the same as sixteen more than twice the number

$$5x = 2x + 16$$

Twelve decreased by five times the sum of a number and seventeen

$$12 - 5(x + 17)$$

The product of seven and a number

$$7x$$

Six decreased by three times a number equals -9

$$6 - 3x = -9$$

The sum of a number and twenty two

$$x + 22$$

Nine less than four times a number

$$4x - 9$$

A number increased by 5 times the number is -30

$$x + 5x = -30$$

Seven more than 4 times a number is fifteen

$$4x + 7 = 15$$

Eight decreased by five times a number is eighteen

$$8 - 5x = 18$$

Nine decreased by twice a number is one

$$9 - 2x = 1$$

Three times the sum of a number and -2 is fifteen

$$3[x + (-2)] = 15$$

Eight increased by the sum of a number and thirty is forty-three

$$8 + (x + 30) = 43$$

Eleven subtracted
from a number is
thirty-three

$$x - 11 = 33$$

Four increased by a
number is equals to
20

$$4 + x = 20$$

Ten more than twice
a number

$$2x + 10$$

Three times the sum
of x and four is
twenty-one

$$3(x + 4) = 21$$

Nine increased by a
number

$$9 + x$$

Five more than
twice a number

$$2x + 5$$

A number divided by
the sum of six and
twice the number

$$\frac{x}{(6 + 2x)}$$

Eight less than three
times a number

$$3x - 8$$

Five times the sum
of a number and
sixty

$$5(x + 60)$$

The quotient of
seven and a number

$$\frac{7}{x}$$

Two less than twice
a number

$$2x - 2$$

Seven times a
number is equal to
thirty-five

$$7x = 35$$

One less than the
sum of a number
and thirteen

$$(x + 13) - 1$$

Three less than six
times a number is
fifteen

$$6x - 3 = 15$$

Four less than a
number

$$x - 4$$

Four less than seven
times a number is
forty-five

$$7x - 4 = 45$$

Six times the sum of
3 times a number
and nineteen

$$6(3x + 19)$$

Eight more than
three times a
number is two

$$3x + 8 = 2$$

A number decreased
by 7

$$x - 7$$

Thirteen increased
by four times a
number is seventeen

$$13 + 4x = 17$$

21 is equals one-third of a number

$$21 = \frac{1}{3}x$$

The product of seven and a number added to ten is equals to thirty-one

$$10 + 7x = 31$$

Five less than three times a number is seventeen

$$3x - 5 = 17$$

If seven is subtracted from five times a number, the result is ten

$$5x - 7 = 10$$

Seventy added to the product of six and a number

$$6x + 70$$

One-half of a number equals sixteen

$$\frac{1}{2}x = 16$$

Forty minus twice the sum of nine and a number

$$40 - 2(9 + x)$$

8 subtracted from the product of ten and the number is fifty-eight

$$10x - 8 = 58$$

The difference between twelve and three times a number

$$12 - 3x$$

The sum of seven and a number, multiplied by 5 is forty-five

$$(7 + x)5 = 45$$

Charlie has twice as many dimes as nickels

$$d = 2n$$

5 fewer quarters than nickels

$$q = n - 5$$

Diana is five years younger than Nora

$$d = n - 5$$

The difference of two-fourths of a number and 8 less than the number is 33

$$x - \left(\frac{2}{4}x - 8\right) = 33$$

Darrel sold 3 fewer subscriptions than 4 times the number Quincy sold

$$d = 4q - 3$$

The product of 6 and three more than a number is 48

$$(6)(x + 3) = 48$$

Twenty more than the square of a number is twelve times the number

$$x^2 + 20 = 12x$$

If you tripled a number and then add 10, you get one-half of the original number

$$3x + 10 = \frac{1}{2}x$$

Nine times a number, diminished by four, is ninety-five

$$9x - 4 = 95$$

If 10 less than twice x is decreased by 5 less than 3 times x , the result is x increased by 7

$$(2x - 10) - (3x - 5) = x + 7$$