

Write an expression for the given phrase.

1. The quotient of a number and 8

$x/8$

2. 2 more than a number

$x + 2$

3. A number minus 7

$x - 7$

4. A number multiplied by 4

$x * 4$

5. The sum of a number and 6

$x + 6$

6. The quotient of a number and 10

$x/10$

7. A number minus 2

$x - 2$

8. A number decreased by 2

$x - 2$

9. The sum of a number and 3

$x + 3$

10. The product of a number and 2

$x * 2$

11. The product of a number and 10

$x * 10$

12. A number divided by 8

$x/8$

Solution Steps

¹⁾ The quotient of a number and 8

Figure out the operation that is being referred to

Because we see the word quotient, we know this expression will use Division

Let x = the unknown number

When we put this together, we end up with $x/8$

²⁾ 2 more than a number

Figure out the operation that is being referred to

Because we see the phrase more than, we know this expression will use Addition

Let x = the unknown number

When we put this together, we end up with $x + 2$

³⁾ A number minus 7

Figure out the operation that is being referred to

Because we see the word minus, we know this expression will use Subtraction

Let x = the unknown number

When we put this together, we end up with $x - 7$

⁴⁾ A number multiplied by 4

Figure out the operation that is being referred to

Because we see the phrase multiplied by, we know this expression will use Multiplication

Let x = the unknown number

When we put this together, we end up with $x * 4$

5) The sum of a number and 6

Figure out the operation that is being referred to

Because we see the word sum, we know this expression will use Addition

Let x = the unknown number

When we put this together, we end up with $x + 6$

6) The quotient of a number and 10

Figure out the operation that is being referred to

Because we see the word quotient, we know this expression will use Division

Let x = the unknown number

When we put this together, we end up with $x/10$

7) A number minus 2

Figure out the operation that is being referred to

Because we see the word minus, we know this expression will use Subtraction

Let x = the unknown number

When we put this together, we end up with $x - 2$

8) A number decreased by 2

Figure out the operation that is being referred to

Because we see the phrase decreased by, we know this expression will use Subtraction

Let x = the unknown number

When we put this together, we end up with $x - 2$

9) The sum of a number and 3

Figure out the operation that is being referred to

Because we see the word sum, we know this expression will use Addition

Let x = the unknown number

When we put this together, we end up with $x + 3$

¹⁰⁾ The product of a number and 2

Figure out the operation that is being referred to

Because we see the word product, we know this expression will use Multiplication

Let x = the unknown number

When we put this together, we end up with $x * 2$

¹¹⁾ The product of a number and 10

Figure out the operation that is being referred to

Because we see the word product, we know this expression will use Multiplication

Let x = the unknown number

When we put this together, we end up with $x * 10$

¹²⁾ A number divided by 8

Figure out the operation that is being referred to

Because we see the phrase divided by, we know this expression will use Division

Let x = the unknown number

When we put this together, we end up with $x / 8$