

Write an expression for the given phrase.

1. A number divided by 10

$x/10$

2. A number divided by 3

$x/3$

3. A number increased by 3

$x + 3$

4. The product of a number and 1

$x * 1$

5. A number increased by 9

$x + 9$

6. A number divided by 1

$x/1$

7. 4 less than a number

$x - 4$

8. A number increased by 2

$x + 2$

9. A number multiplied by 1

$x * 1$

10. A number multiplied by 2

$x * 2$

11. A number decreased by 5

$x - 5$

12. A number minus 6

$x - 6$

Solution Steps

¹⁾ A number divided by 10

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 $x/10$

²⁾ A number divided by 3

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 $x/3$

³⁾ A number increased by 3

Figure out the operation that is being referred to

Because we see the phrase increased by, we know this expression will use Addition

Let x = the unknown number

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

⁴⁾ The product of a number and 1

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 $x * 1$

⁵⁾ A number increased by 9

Figure out the operation that is being referred to

Because we see the phrase increased by, we know this expression will use Addition

Let x = the unknown number

When we put this together, we end up with $x + 9$

⁶⁾ A number divided by 1

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 $x/1$

⁷⁾ 4 less than a number

Figure out the operation that is being referred to

Because we see the phrase less than, we know this expression will use Subtraction

Let x = the unknown number

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

⁸⁾ A number increased by 2

Figure out the operation that is being referred to

Because we see the phrase increased by, we know this expression will use Addition

Let x = the unknown number

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

⁹⁾ A number multiplied by 1

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 $x * 1$

¹⁰⁾ A number multiplied by 2

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 $x * 2$

¹¹⁾ A number decreased by 5

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 $x - 5$

¹²⁾ A number minus 6

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 $x - 6$