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/
*-----
-----/* EXERCICES BEGIN
*/-----
-----*/
```

1.1 Sum

You are given two variables `a` and `b`, compute their sum and store it `in` another variable named `sum` then print the result.

```
var a = 1
var b = 2
```

```
// your code here
```

1.2 Seconds

Determine the number of seconds `in` a year and store the number `in` a variable named `secondsInAYear`.

```
// your code here
```

1.3 Pixels

You are given the width and height of a screen `in` pixels. Calculate the total number of pixels on the screen and store the result `in` a variable named `numberOfPixels`.

```
var width = 1920
var height = 1080
```

```
// your code here
```

1.4 Sum and Difference

You are given the sum and the difference of two numbers. Find out the values of the original numbers and store them **in** variables `a` and `b`.

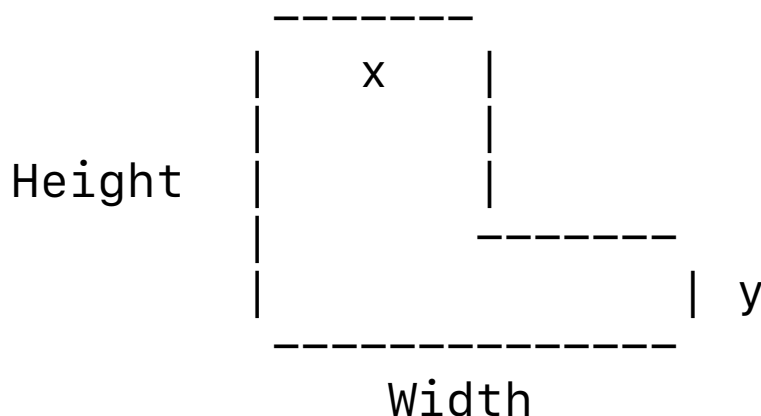
```
let sum = 16 // a + b
let diff = 4 // a - b
```

```
// your code here
```

1.5 L Area

You are given four variables `width`, `height`, `x`, `y` that describe the dimensions of a L-shape **as** shown **in** the image below. Determine the perimeter and area of the described L-shape. Store the value of the perimeter **in** a variable named `perimeter`, and the area **in** a variable named `area`.

```
/* Draw picture to the class */
```



```
var width = 8
var height = 12
var x = 2
var y = 3

// your code here
```

1.6 Swap

Given two variable a and b, swap their values.
That **is** the new value of a will become the old value of b and vice versa.

```
var a = 1
var b = 2

// your code here
```

1.7 Last digit

You are given a number a. Print the last digit of a.

```
var a = 123

// your code here
```

1.8 Dog Years

You are given Rocky's age **in** dog years. Print Rocky's age **in** human years. You know that **1** human year **is** **7** dog years.

```
var rockysAge = 50

// your code here
```

1.9 Brothers

Everyone hates solving word problems by hand so
let's make a program to solve them for us.
x years from now Alice will be y times older
than her brother Bob. Bob is 12 years old.
How many years does Alice have?

```
var x = 3
var y = 2
var bob = 12
```

```
var alice = ?
```

```
// your code here
```

1.10 Apples and Oranges

You have x apples. Bob trades 3 oranges for 5
apples. He does not accept trades with cut
fruit.

How many oranges can you get from Bob and how
many apples will you have left?

The number of apples you will have left should
be stored in a variable named apples. The
number of oranges you will have after the
trade should
be stored in a variable named oranges.

```
var x = 17
```

```
// your code here
```

1.11 Boys and Girls

A `class` consists of `numberOfBoys` boys and `numberOfGirls` girls.
Print the percentage of boys `in` the `class` followed by the percentage of girls `in` the `class`. The percentage should be printed rounded down to the nearest integer. For example `33.333333333333` will be printed `as 33`.

```
var numberOfBoys = 20
var numberOfGirls = 60
```

```
// your code here
```