

# Inequalities—Launch

What would each of the following expressions evaluate to? Write your guesses in the space provided, and then take turns typing them into the computer.

1) <code>1 + 4</code> will be <u>5</u>	2) <code>0 &gt; 5</code> will be <u>true</u>
3) <code>4 / 2</code> will be <u>2</u>	4) <code>1 = 9</code> will be <u>false</u>
5) <code>0 - 9</code> will be <u>-9</u>	6) <code>2 &lt;= 2</code> will be <u>true</u>
7) <code>string-length("bat")</code> will be <u>3</u>	8) <code>string-equal("dog", "cat")</code> will be <u>false</u>

9) What does the operator `<` do?

*it takes in two inputs, and returns true if the first one is less than the second*

10) What does the function `string-equal` do?

*it takes in two Strings, and returns true if they are exactly the same*

11) Write the contract for `string-equal` in your Contracts page.

12) How many Numbers are there in the entire universe? infinite

13) How many Strings are there in the entire universe? infinite

14) How many Images are there in the entire universe? infinite

15) How many Booleans are there in the Universe? two

What are they?

*true and false*