

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Unit 6: Warmup

1. How many Numbers are there in the entire universe? \_\_\_\_\_
2. How many Strings are there in the entire universe? \_\_\_\_\_
3. How many Images are there in the entire universe? \_\_\_\_\_

What would each of the following expressions evaluate to? Write down your guess on the line next to each one, then try each one on the computer to see if you were right!

(+ 1 4) will be _____	(> 0 5) will be _____
(/ 4 2) will be _____	(= 1 9) will be _____
(- 0 9) will be _____	(<= 2 2) will be _____
(string-length "bat") will be _____	(string=? "dog" "cat") will be _____

`True` and `False` are not Numbers or Strings! They are a *new datatype*, called a **Boolean**.

4. What does the function `<` do?

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5. What does the function `string=?` do?

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6. How many Booleans are there in the Universe? \_\_\_\_\_

Why?

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