Numbers and Strings

Make sure you've loaded the code.pyret.org editor, and clicked "Run".

1. Try typing `42` into the Interactions Area and hitting "Enter". What happens?

2. Try typing in other Numbers. What happens if you try a decimal like `0.5`? A fraction like `1/3`? Try really big Numbers, and really small ones.

3. String values are always in quotes. Try typing your name (in quotes!). What happens when you hit Enter?

4. Try typing your name with the opening quote, but *without* the closing quote. What happens? Now try typing it without any quotes.

5. Is *42* the same as `"42"`? Why or why not? Write your answer below:

Operators

6. Just like math, Pyret has **operators** like `+`, `-`, `*` and `/`. Try typing in `4 + 2`, and then `4+2` (without the spaces). What can you conclude from this? Write your answer below:

   (sample answer) Pyret needs spaces around operators

7. Type in the following expressions, one at a time: `4 + 2 + 6`, `4 + 2 * 6`, `4 + (2 * 6)`. What do you notice? Write your answer below:

   (sample answer) If we use multiple operators, we need parentheses

8. Try typing in `4 + "cat"`, and then `"dog" + "cat"`. What can you conclude from this? Write your answer below:

   (sample answer) We can use + to add two numbers or two strings, but not a number and a string