

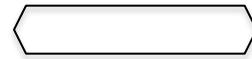
SNAP! TYPE EXERCISES

Summer in JAPAN 2016: Computer Science Workshop

Four main types in Snap!			
Number	Text	Boolean	List

Feel free to look at Snap! to help you.

1.) Draw the shape of a Boolean block:



2.) Draw the shape of a number only input:

Hint: look at the addition operator.

Look at the input area, not the block shape!



3.) Draw the shape of a text input (either text or numbers can be used with this input shape):

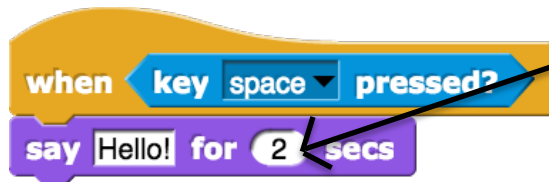
Hint: Look at the comparison operators such as < or >. Look at the input area, not the block shape!



4.) What does this symbol stand for (which 'type')? Lists



List all of the types in the blocks below, and draw arrows to that type.



- 1.) _____ Number _____
- 2.) _____ Boolean _____
- 3.) _____ Text _____

List all of the types in the blocks below, and draw arrows to that type. Some types may appear more than once.



- 1.) _____ List _____
- 2.) _____ Number _____
- 3.) _____ Text _____

List Type Exercises

Use this list to answer the questions:

list George Annie Steve Andy Shori ◀ ▶

1) **contains** Steve _____ True _____
(True or False?)

2) **item** 2 ▼ **of** _____ Annie _____

3) **item** last ▼ **of** _____ Shori _____

4) **length of** _____ 5 _____

Now use this list to answer the questions. (Bonus!)

list
list George Annie Steve ◀ ▶ **list** Math CS Writing ◀ ▶ **list** Japan America ◀ ▶ ◀ ▶

This is a list of lists! There are lists inside the main list.

1) **length of** _____ 3 _____

2) **item** 2 ▼ **of** _____ List: Math, CS, Writing _____

3) Length of index 2 of the list? _____ 3 _____

4) Index the list (add numbers 1,2,3) and then index each list within the main list.