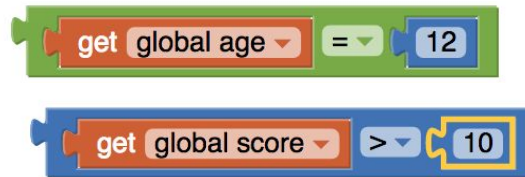


Name: _____ Date: _____ Period # _____

Advanced Conditionals

Boolean expressions are conditionals that can be true or false.

For example:



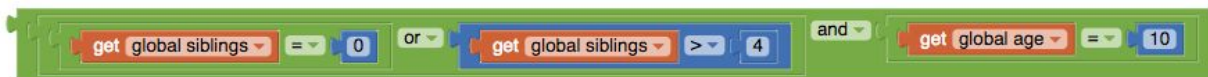
If you want to check if two things are both true, use AND. In this case, we have a game keeping track of time and score.



If you want to check if either of two things are true, use OR. Here we are checking for either an only child, or someone with more than 4 siblings.



And then you can combine AND and OR, depending on what you are testing.



Name: _____ Date: _____ Period # ____

Write the code blocks you would use to describe the following situations. You can make up variable names. For example, (initialize **age** to 10)

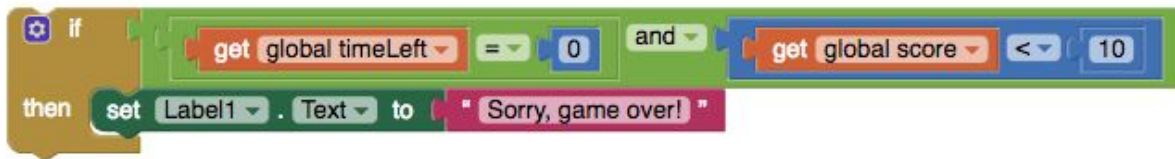
1. You can get a free drink if you buy at least 12 donuts, or you spend over \$20.

2. You can only ride the rollercoaster if you are 12 years old or older. In addition to the age requirement, you must weigh at least 100 pounds and your height must be at least 50”.

3. You can skip the final exam if your average is 90 or better. The other way to qualify for skipping the exam is if you have perfect attendance and have passed in every homework assignment.

Name: _____ Date: _____ Period # _____

You use the conditional blocks with if statements. If-then blocks only execute the code within if that condition is true.



If-then-else blocks execute the then blocks if the condition is true, and the else blocks if the condition is false.



If-then-else if blocks execute the then blocks if the condition is true, and then tests the next condition for the else if. This is a way to test for two different conditions in one block.

