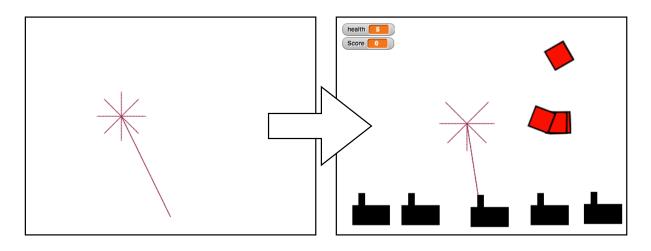
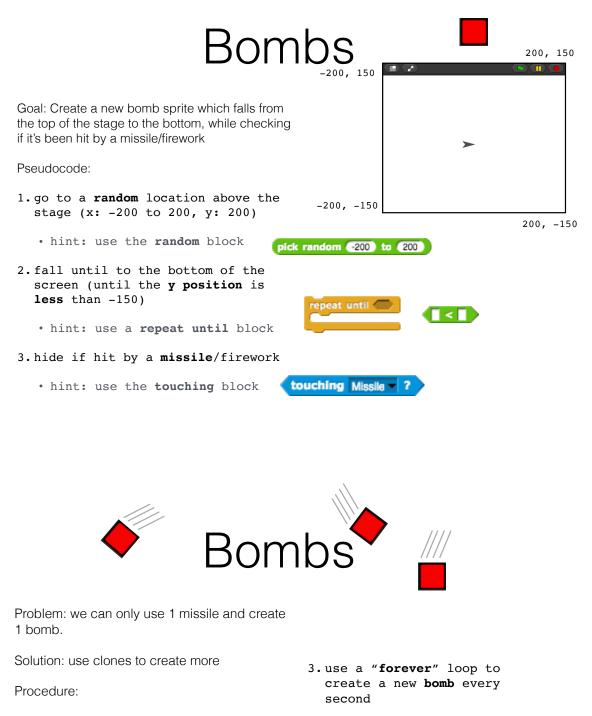
Missile Command



The Plan

Lives 5 Score 90

- Add falling bombs
- Allow for multiple bombs and missiles
- Add bases for the bombs to destroy
- Add life and score counters



- 1. change the **bomb** and **missile** code to run when it starts as a clone
 - hint: use the "when I start as clone" block
 when I start as a clone
- 2.update the missile control code
 in the stage to create a new
 missile clone
 - hint: use the "create a clone of" block
 create a clone of

 hint: use the "create a clone of" block

create a clone of

4.don't forget to clean up!
 make sure to delete your
 clones when you're done with
 them

delete this clone

 hint: use the "delete this clone" block

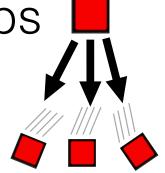
Splitting Bombs

How did the bombs behave in missile command?

They split at a certain point.

When did we split a sprite before?

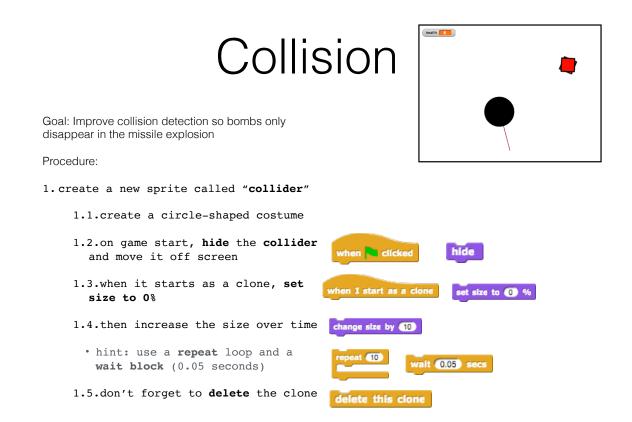
What block did we use?

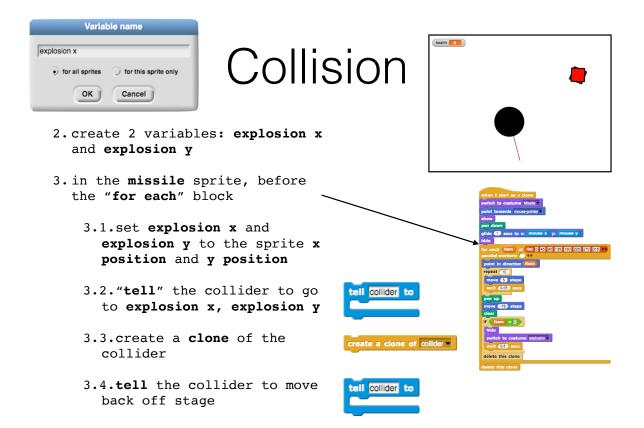




Pseudocode 1. act normally until bomb reaches y=75 2. use for each to split into 3 bombs 3. inside the for each 3.1.face a random direction (between 150° and 210°) 3.2.execute the normal falling code 3.3.remember to delete your clones!

 hint: iterate over an empty list, and choose a random direction within the loop

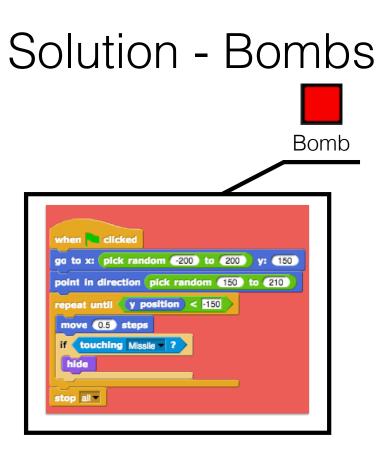




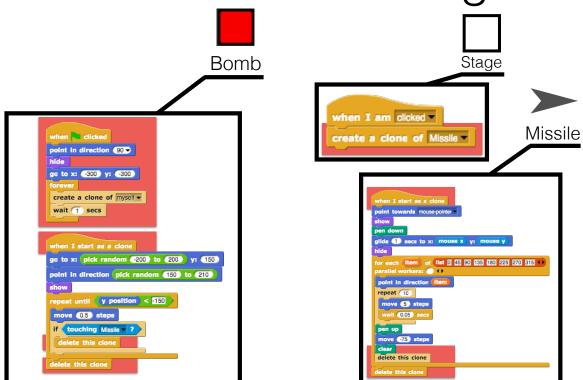
Exercises

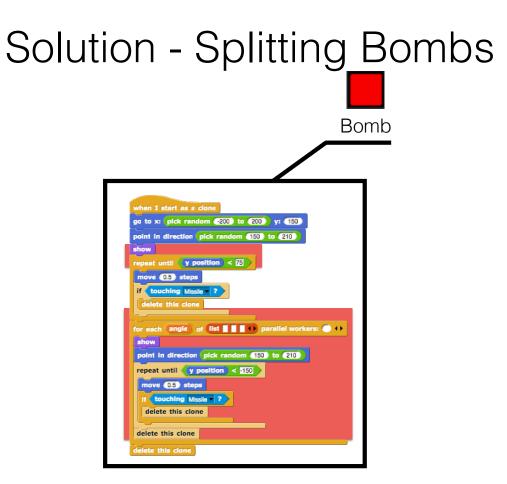
- Create a life counter that decrements every time a bomb reaches the bottom of the screen
- Add a points counter and award points for destroying bombs
- Create city sprites that change costume to illustrate the number of lives you have

Solutions



Solution - Cloning





Solution - Collision

