Building numbers	sense one day at a time.	Name	
Challenge	My Estimate	My Reasoning	The Answer
too LOW			too HIGI
oo LOW			too HIG
roo LOW			too HIGH

Reverse Engineer a Video Game

Thing in the Game	What Changes About it?	More Specifically?

Period:

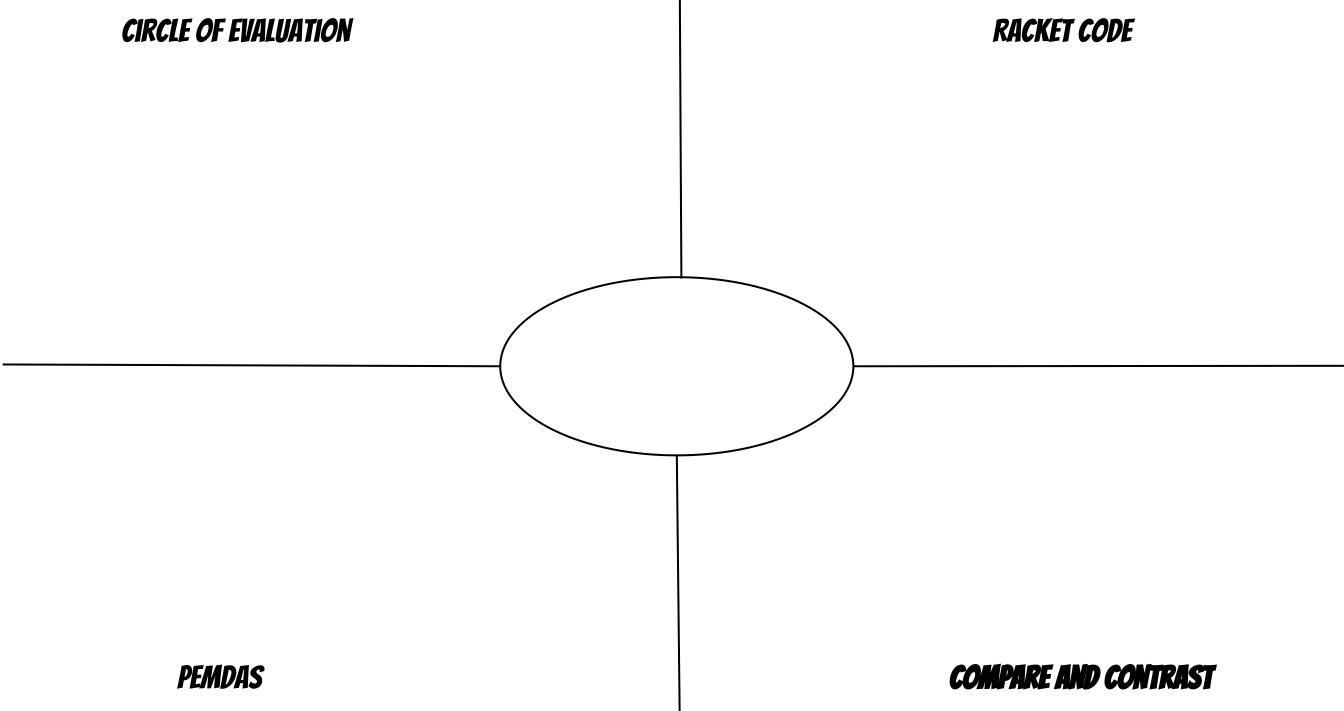
Day#	Description	Too Low	Too High	My Estimate	My Reasoning	Answer	Error	Error as %
Ex. A	Tyler's age (months)	24	36	30	He looks a little older than my cousin (who is 2)	26	+ - 4	4/26 ≈ 15%
Ex. B	Bohemian Rhapsody	4:00	5:00	4:30	10% of song = 30 sec 300 sec total = 5 min	5:56	+ (-) 86	86/356 ≈ 24%
							+	
							+	
							+	
							+	
							+	
							+	
							+	
							+	
							+	
							+	
							_	

Updated: Jul 31, 2013 Average:

Brainstorm - Create Your Own Video Game

Created by (write your names):
Background
Our game takes place: (In space? The desert? A mall?)
The Player
The player is a
The player moves only up and down.
The Target
Your player GAINS points when they hit the target.
The Target is a
The Target moves only to the left and right.
The Danger Your player LOSES points when they hit the danger.
rour player Loses points when they file the danger.
The Danger is a
The Danger moves only to the left and right.

ArtWork Sketches



Sample Domain and Range workbook page

Last updated 2019-04-22 20:21:54 UTC

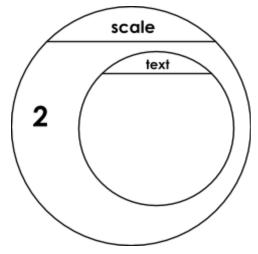
Function Composition - Explore

You'll be investigating these new functions with your partner:

; scale: Number Image -> Image ; rotate: Number Image -> Image ; flip-horizontal: Image -> Image ; flip-vertical: Image -> Image

First, draw a circle and write the code to create a text image of your name.

Fill in the missing information with your circle from above, then write the code.



Test out your code in WeScheme! What does scale do? _____

Now, try using circles to rotate the image of your name. Test out your code in WeScheme when you're ready.

Function Composition - Practice

Draw a circle and write the code for a solid, green star, size 50.

Using the circle and code from above, draw the circle and write the code for each of the exercises below.

A solid, green star that is 3 times the size of the original (using scale)	A solid, green star is half the size of the original (using scale)
A solid, green star of size 50 that has been rotated 45 degrees	A solid, green star that is 3 times the size of the original and has been rotated 45 degrees

Defining Values - Practice

Write the code to create a solid, green star, size 50 and define it as PRIZE_STAR

Using the PRIZE_STAR definition from above, draw the circle and write the code for each of the exercises below.

A solid, green star that is 3 times the size of the original (using scale)	A solid, green star is half the size of the original (using scale)
A solid, green star of size 50 that has been rotated 45 degrees	A solid, green star that is 3 times the size of the original and has been rotated 45 degrees

How does defining values help you as a programmer?