Mini Math
Week 1

This week you will be working **SOLO**. You have exactly 10 minutes to finish each of the following questions. For this challenge you will be using the Pokémon dataset.

1. Visualize the distribution for Pokémon attack scores using a histogram (draw it) below. Be sure to include labels.

2. Visualize the distribution for Pokémon attack scores using a boxplot (draw it) below. Be sure to include labels.

3. Determine what proportion of Pokémon in the dataset are 'fire' pokémon

4. Determine what proportion of pokémon in the dataset are fire pokemon with attacks of less than 50.

5. Using a pairwise boxplot visualize the distribution for Pokémon attacks across the variable 'is_legendary' (you just need to write the code that will create the plot, not draw). Can any conclusions be drawn from this plot?

Solution:

```r
######## XP BOOST 2 ########
pok <- read.csv('pokemon.csv')

# Question One
hist(pok$attack, xlab="attacks")

# Question Two
boxplot(pok$attack)

# Question Three
length(pok$attack[pok$type1=='fire'])/length(pok$attack)
# 0.06491885

# Question Four
length(pok$attack[pok$attack<50 & pok$type1=='water'])/length(pok$attack)
# 0.02621723

# Question Five
boxplot(pok$attack~pok$type1, xlab='type', ylab='attack')
```