

## Module 4 - Wes Gordon

### Puppy Fever

#### How many puppies can I buy?

I have puppy fever and I want to get as many puppies I can without spending over \$1,000. Calculate how many puppies I can buy based on the market price found online. Based on my calculations I can get 2 puppies for \$700. I almost could get one more but am \$50 short.

Calculate how many puppies I can buy:

```
x <- 1000 #Budget Variable
y <- 200 #Puppy Price Variable

puppy_price <- y #The price for each puppy
print(puppy_price)

total_cost <- max_puppies * puppy_price #Calculates the cost
print(total_cost)

too_expensive <- total_cost > x #Logical test to show if purchase is too expensive
print(too_expensive)

max_puppies <- floor( x / puppy_price) #Calculates the max amount of puppies I can get
print(max_puppies)
```

### ID Tags

#### ID tags for team

I am making name tags for our team.

```
print(my_name <- c("Wes", "Wesley", "Wes Gordon", "Wesley Gordon"))
class(my_name <- c("Wes", "Wesley", "Wes Gordon", "Wesley Gordon"))

print(my_height <- 77')
class(my_height <- 77')

print(favorite_day <- as.Date("2025-07-04"))
class(favorite_day <- as.Date("2025-07-04"))

print(favorite_quote <- "Failure to prepare is preparing to fail.")
class(favorite_quote <- "Failure to prepare is preparing to fail.")
nchar("Failure to prepare is preparing to fail.")

print(id <- c(my_name, my_height, favorite_day, favorite_quote))
class(id <- c(my_name, my_height, favorite_day, favorite_quote)) #Class shows character despite my_height
```

```
cat(id <- c(my_name, my_height, favorite_day, favorite_quote))  
paste(id <- c(my_name, my_height, favorite_day, favorite_quote))  
cat(paste(id <- c(my_name, my_height, favorite_day, favorite_quote)))  
paste(cat(id <- c(my_name, my_height, favorite_day, favorite_quote)))
```