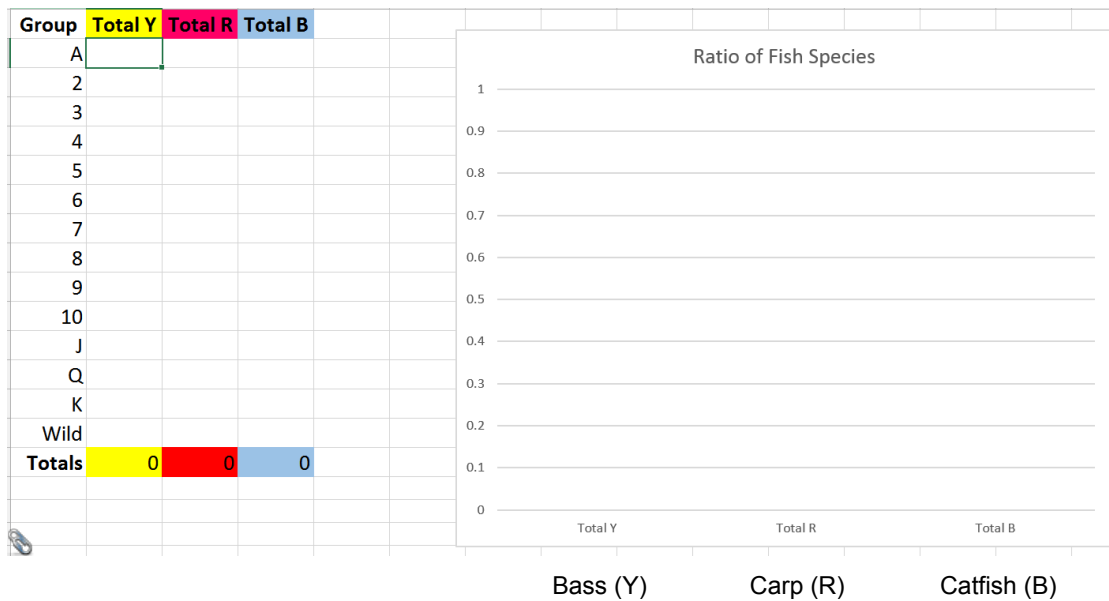


Experimental Probability

Learning Goal(s)

Minds on Math...Class Data for "Gone Fishing"



Activity
Instructions

Results: Discussion

Bass (Y)

Carp (R)

Catfish (B)

p61 #3, 6 to 8

3. Fraction as bass? as carp?

Key Ideas-Probability

Experimental (Simulated)

-determined using the results of an experiment

$$\frac{\text{number of successful trials}}{\text{total number of trials}}$$

-From our simulation,

P(Y) =	P(R) =	P(B) =
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Theoretical (Accepted)

-determined using calculation involving all equally likely outcomes

$$\frac{\text{number of successful outcomes}}{\text{total number of possible outcomes}}$$

-From the ratios provided,

P(Y) =	P(R) =	P(B) =
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Experimental

Theoretical

Take Action

1. It's been estimated that there are 21, 000 fish in this particular lake, how many of the fish are Red (Carp) and Blue (Catfish)?

Take Action

2. In another lake (smaller in area), the ratio of the same fish species is approximately the same.

If there are 1200 bass, how many are there of the remaining two types?

Independent Practice

Your Next Opportunity to Learn



Attachments

Activity_Gone Fishing_Student and Class Data_Template.xlsx

p61_MHR Text_Activity_Gone Fishing_Exp Prob.pdf



Activity_Gone Fishing_Student and Class Data_Template.xlsx

Experimental Probability_Independent Practice.pdf