



Balance in the Bay

Fishing Fleet Computation Worksheet

Student Fishing Fleet Member Names:

FISHING SEASON (circle one) 1 2 3 4 5

1. How many paperclips did your fleet collect?

A = _____ paperclips

2. If one paperclip is equal to 1,000 pounds of squid, how many pounds of squid did your fleet catch? **B = A paperclips x 1,000 lbs/paperclip**

B = _____ lbs

3. If only 98% of the total number of pounds that your fleet caught were actually squid (the rest are called bycatch, fish that are not squid), how many pounds of squid did you catch? **C = B lbs x 0.98**

C = _____ lbs

4. If it costs 50,000 pounds of squid per boat to keep it operating, how many pounds of squid are needed to pay the operating costs for your fleet? **D = 50,000 lbs/boat x Number of Your Boats**

Fishing

D = _____ lbs

5. How many pounds of squid do you have left to sell after paying the operating costs? **E = C lbs - D lbs**

E = _____ lbs

6. In this simulation the dockside sale price for squid is \$0.25/lb. How much money will you get paid for your squid? **F = E lbs x \$0.25/lb**

F = \$ _____

7. Did you make a profit this season (F is positive) or did you lose money (F is negative)? _____

8. If you made a profit, extra boats cost \$10,000 each. Would you like to buy more boats? _____

9. How many boat(s) do you want to buy?

G = _____ boat(s)

10. How much will it cost you to buy those extra boats? **H = G boat(s) x \$10,000/boat**

H = \$ _____

11. How much money do you have in your account at the end of the season?

If F is positive, **Season Net Profits = F - H**

Season Net Profits

OR

Or, if F is negative, **Season Net Losses = F**

Season Net Losses