

Mr. Svarc's Missing \$ Problem...REALLY???

Two men were selling Atlantic Salmon Flies: one man sold 3 flies per dollar and the other man sold 2 flies per dollar.

One day they were both away so they each left 30 flies with a friend. To simplify the reckoning, the friend decided to sell 5 flies for 2 dollars. They sold them all and took in 24 dollars.

When it came to dividing up the sales between the owners...a problem arose. The one who had 30 flies at 3 for a dollar wanted \$10. The other who had 30 flies at 2 for a dollar wanted \$15. In total this made \$25.

The friend only made \$24 which means that they are a dollar short.

WHAT HAPPENED TO THE MISSING DOLLAR???

Old MacDonald's Last Wishes...

Old MacDonald had 17 cows. He died. His will said...

The first daughter Malia gets $\frac{1}{2}$ of the cows.

The second daughter Lainey gets $\frac{1}{3}$ of the cows.

The third daughter Janna gets $\frac{1}{9}$ of the cows.

The daughters could not figure out how to divide the cows.

Mr. Hallihan wanted to help so he loaned a cow to them.

Then the first daughter took $\frac{1}{2}$ of 18 cows = 9 cows.

The second daughter took $\frac{1}{3}$ of 18 or 6 cows.

The third daughter took $\frac{1}{9}$ of 18 or 2 cows.

That makes $9 + 6 + 2 = 17$ cows. So Mr. Hallihan took his cow back home.



Explain???

Review Chapter 1...

Quiz is on Thursday

- 1.1: Terms - conjecture, inductive reasoning
 - develop a conjecture
 - evaluate a conjecture
- 1.2: - testing a conjecture (valid vs invalid)
 - through measurement
- 1.3: Term - counterexample
 - find a counterexample
 - evaluate a counterexample
- 1.4: Terms - deductive reasoning
 - algebra to prove the conjecture
 - evaluate a proof
- 1.5: Terms: premise, generalization, ~~circular reasoning~~
 - find errors
 - correct errors
 - 'common errors'...
 - 1) false assumptions
 - 2) dividing by zero
 - 3) calculation errors
 - 4) logical errors
- 1.6: - solve a problem using logic
 - strategies: pictures, charts, algebra, etc..
 - using patterns/examples
- 1.7: ~~strategies with gaming/puzzles~~

REVIEW FOR QUIZ ON THURSDAY...

Mid Chp p. 35 (1.1-1.4)
End Chp p. 61 (1.1 - 1.7 *omit 1.2)
Practice Test p. 58
Review (FAQ) p. 59