Nancy input x	output x
0	0
1	250
2	500
3	750
4	1000
5.	1,250
6.	1500
7.	1750
8	2.000

Eric input x	output y
0	$1400
1	$1475,
2	1550
3	1,625
4	1,700
5	1,775
6	1,850
7	1,925
8	2,000

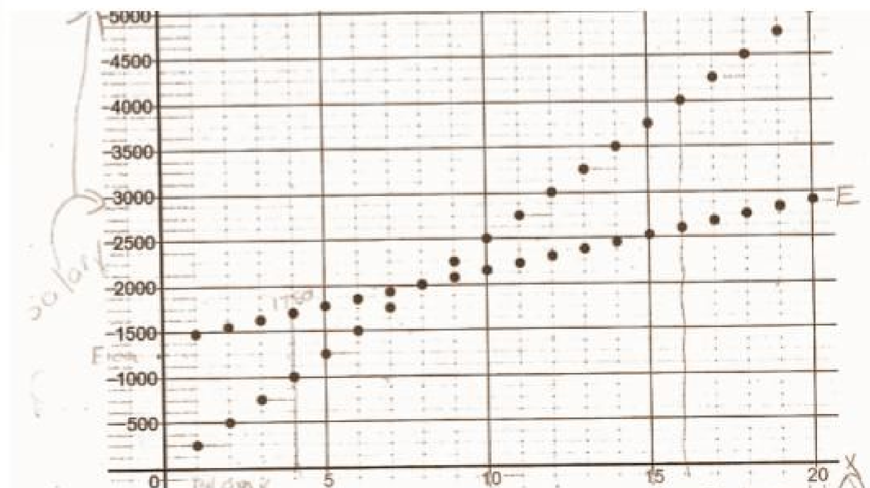
Who is right? Why?

Eric is right

(1) Eric makes more mony he get a commission on every tank he sell

(2) Nancy would not get much mony she will get $250.

(3) Eric makes $1400 for evey monthly pull a commission



Nancy: x 250

F(x) = 250x

250(12)

3000

Eric: x 75 + 1400 # fich sold

F(x) = x75 + 1400

900 + 1400 = 2300

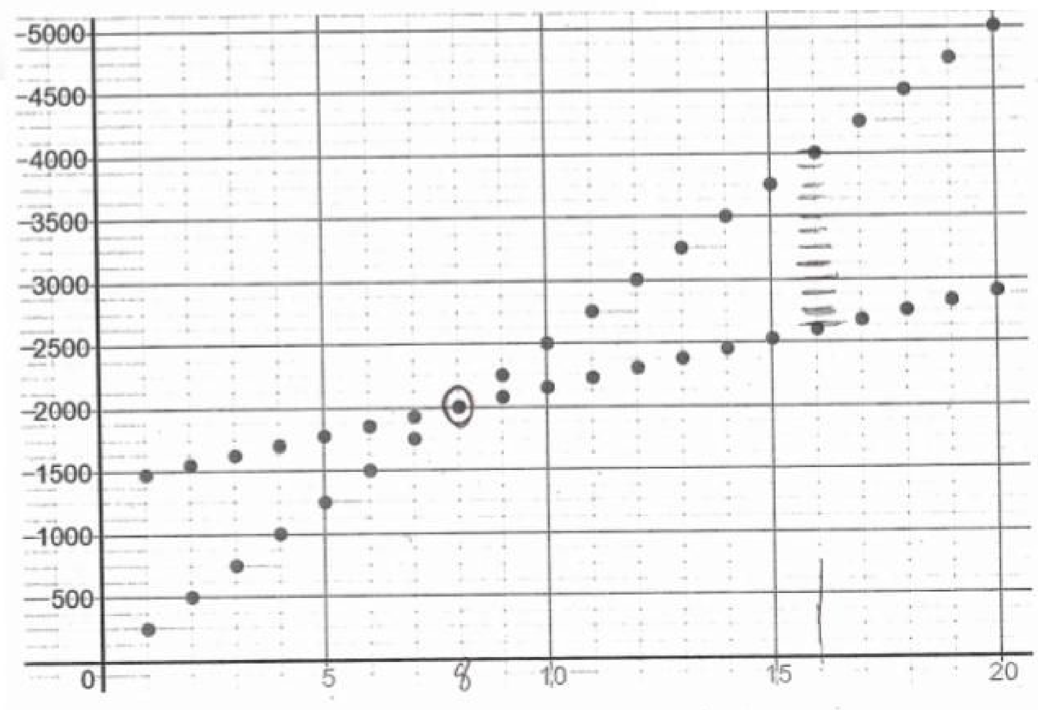
Debra

Who is right? Why?

Eric - cause unless nancy sells tanks she ain't being paid unlike Eric

	M	Tues	wed	Thur	Fri	Sat	Sun
Eric 1000	Sells 1 1475	Sells 1 1475	Sells 1 1475	Sells 1 1475	none 1400	none 1400	none 1400
nancy 1000	250	250	250	250	0	0	0

	M	T	W	T	F	S	S
E	no 1400	no 1400	no 1400	no 1400	no 1400	no 1400	no 1400
n	0	0	0	0	0	0	0



Will

Who is right? Why? Eric

$75 \cdot x + 1400$

Fish Tank	Eric
0	1400
1	1475
2	1550
3	1625
4	1700
5	1775
6	1850
7	1925
8	2000
9	2075
10	2150
11	2225
12	2300

$250 \cdot x$

Fish Tank	Nancy
0	0
1	250
2	500
3	750
4	1000
5	1250
6	1500
7	1750
8	2000
9	2250
10	2500
11	2750
12	3000

Anjana

Eric

Input	Output
0	1400
1	14,75
2	1,550
3	1,625
4	1,700
5	1,775
6	1,850
7	1,925
8	2,000
9	2,075
10	2,150
11	2,225
12	2,300
13	2375
14	2450
15	2,525
16	2,600

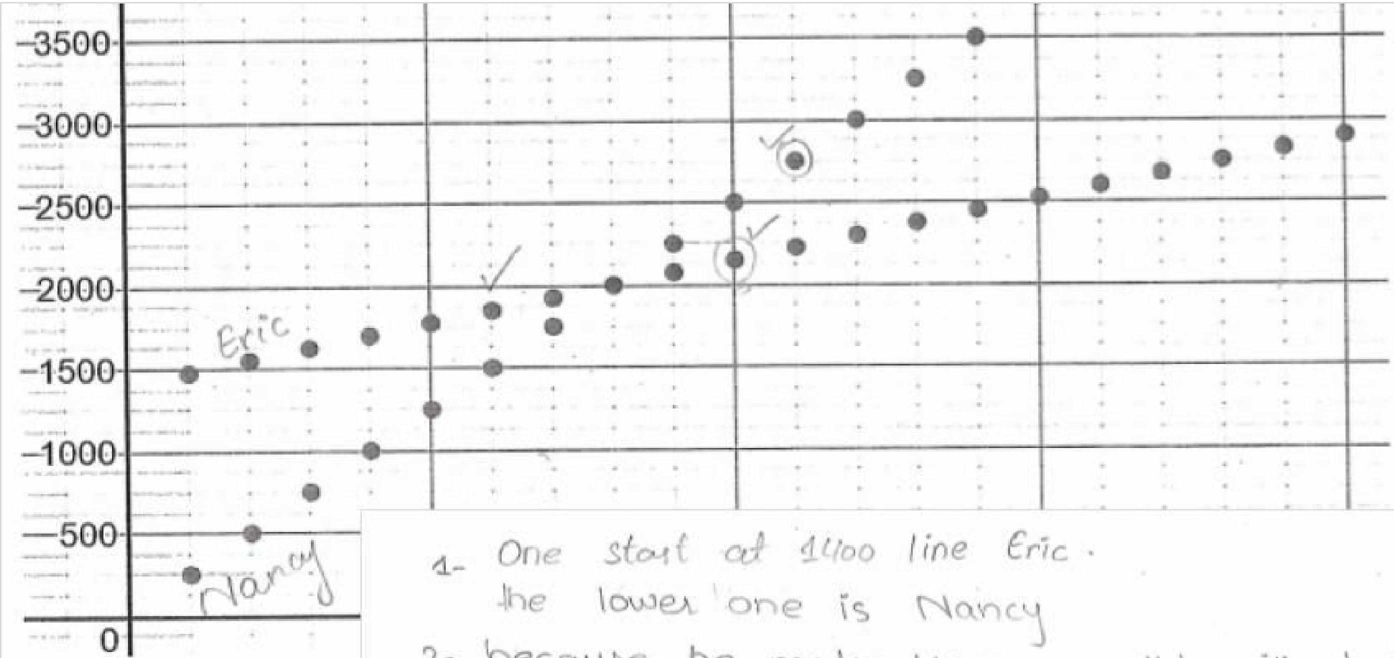
Nancy

Input	output
0	0
1	250
2	500
3	750
4	1000
5	1250
6	1,500
7	1,750
8	2,000
9	2,250
10	2,500
11	2,750
12	3000
13	3250
14	3500
15	3750
16	4,000

= They both have to sell 8 tanks each of them.
then they both earn same amount of money.
$ 2,000.

= No, I don't change my opinion.
Eric have a better Job. because in the end,
If they didn't sell any fish Eric earn $1400. Nancy earn $0.

Neha



1- One start at 1400 line Eric.
the lower one is Nancy

2- because he makes $1400 monthly without comission.

3- Eric makes more money to selling 4 tanks. (1700).

4- Nancy line changing faster.

5- Eric 12 tanks = 2,300 {difference 700}
Nancy 12 tanks = 3000.

6- Eric has a low commision as campared to Nancy.
Nancy make more comission.

7- Nancy easing more money with 16 fish tanks. (Eric 16 tank = 2,600 Nancy = 4000) {differen 1400}

Neha

Eric and Nancy want to contribute equally to their finances.

How many fish tanks would they each need to sell so that they bring in the same amount of money?

	Eric	nancy
Sales	1400	0
Commition	75	250

They have to sell 8 Tanks

eric

x	y
0	0
1	1475
2	1550
3	1625
4	1700
5	1775
6	1850
7	1925
8	2000

Nancy

x	y
0	0
1	250
2	500
3	750
4	1000
5	1250
6	1500
7	1750
8	2000

1400
225
1625
400
375
775

1775
+75
1850
+75
1925

1625
75
1705

250

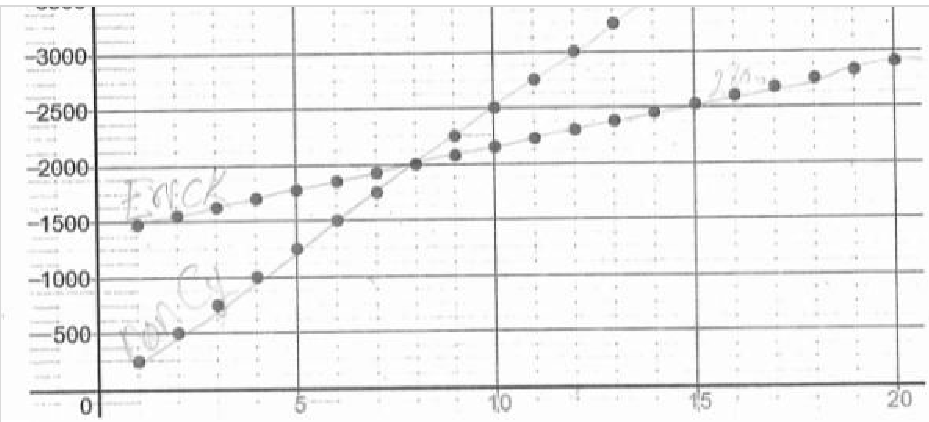
1500
+250
1750
+250
2,000
2250
+250
2500

Erecy
$f(x) = 75x + 1400$
$y = 75x + 1400$

Nancy
$f(x) = 250x +$
$y = 250x$

They have to sell 8 tanks to Make the Same amount of money.
No I haven't Changed My mind on Who has the better deal, the reason being is that nancy needs to make Sales to get paid. Eric doesn't.

Jorge



There are many ratios. There is a commen ratio. They look like they are consistent. Is it realistic? Are they consitent

The one starting higher is erick, the lower is nancy.
Eric has a salery so he is higher.
Eric makes more seling 4 tanks, 700 more.
Nancys line changes faster.

Jorge

eric's deal is better because he gets guranteed money with his salary.

I decided that because salary is better than commission.

they both need to Sell 8 fish tanks

Eric and Nancy want to contribute equally to their finances.

How many fish tanks would they each need to sell so that they bring in the same amount of money?

~~Nancy would have to sell 1 fish tank and eric would have to sell 3 fish tanks.~~

75
75
75
225

eric

x in	y out
1	75
2	150
3	225
4	300
0	0
5	375
6	450
7	524

~~they would have to sell 0 tanks to make the same amount of money~~

Victor

eric

x in	y out
1	1475
0	0

$$\begin{array}{r} 1475 \\ +\ 1475 \\ \hline 2950 \end{array}$$

eric

in	out
0	1400
1	1475
2	1550
3	1625
4	1700
5	1775
6	1850
7	1925
8	2000

no it dient change, eric Still gets guranteed money.

eric needs to sell 10 fish tanks and nancy needs to sell 59 fish tanks

nancy

x in	y out
0	0
1	250
2	500
3	750
4	1000
5	1250
6	1500
7	1750
8	2000
9	2250
10	2500

~~59x250~~

~~14,750~~

2	2950
3	4425
~~4~~	~~5900~~
5	7375
10	14,750

1475
+1475
2950

Victor

ow many fish tanks would they each need to sell so that they bring the same amount of money?

8 fish tanks because eric gets paid $1400 plus $75 of commission for every tank he sells and $75 X 8 = 600 + 1400 makes $2000 selling 8 tanks a month and she will have to sell 8 tank 1 = $250 x 8 = $2000 a month.

Strategie

I guess a chek I multiply 8 times 250 and same with 75 then added 600 to 1400 that mak 2000 and 250 x 8 made it as well so they will make the same amount with 8 fish tanks

Kevin

It did change my mind because nancy can make more money if she sells a lot of tanks

• Eric lines is the one starting at 1400, nancy's is the one that starts almost at 0, I know it because nancy makes no money if she doesn't sell any tanks but Eric gets paid 1400 no matter what thats How I Know.

• Eric's line starts higher because he gets paid even if he doesnt sell no tanks.

• Erick because he wold get $1700 and nancy wold make $1000 so erick will get $700 more then nancy.

• nancy's line change faster because she makes a lot more money for every tank she sell's; yes it does make sense because erick's money goes up but slower.

• If erick will sell 12 tanks he'll get $2300 and nancy will get $3000 the difference will be $700.

• If Erick will sell 16 tanks he will make $2600 and nancy will make $4000 she will be getting $1400 more than Erick.

- nancy was right she got a better deal.

• does she always sell this many tanks?
• why do they both work doing the same thing?
• do people really buy tanks this much.

Kevin

I think Nancy has better deal than Eric does. Because if she sells 4 Tanks a week she got $1000 per week.

- This problem is asking who has better Salary. between Nancy and Ericke:

- If Nancy didn't sell any fish tank in a Month, she's not getting commission. But this is not possible at least she can sell more than 1 Tank.

Ericke – x 75 + 1400 → $f(x) = 75x + 1400$

$75(12) + 1400$

$900 + 1400$

$= 2300$

Nancy – x 250

↓

$f(x) = 250x$

$250(12)$

3000

At least 16 Tanks a month.

8 each

x input	Y output
0	1400
1	1475
2	1550
3	1625
4	1700
5	1775
6	1850
7	1925
8	2000

in	out
0	0
1	250
2	500
3	750
4	1.000
5	1.250
6	1.500
7	1725
8	2.000

Daisy