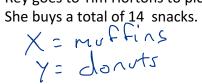
- For each of the following examples, identify the variables (x = _____; y = _____)
- Write the equation mathematically using the variables.
- Make a table of values
- Draw the graph of the equation that describes the situation.
- Make a prediction

Simple Total:

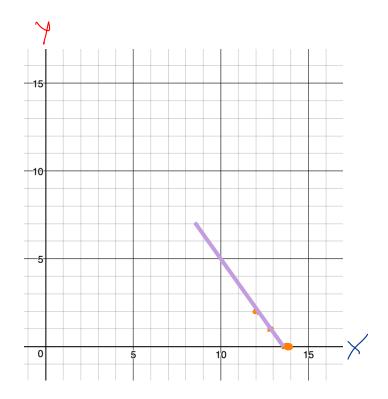
Ex. Rey goes to Tim Hortons to pick up muffins and donuts for her teachers.

She buys a total of 14 snacks



Xty	1-14
-----	------

×	Y
14	0
13	1
12	2
	3



Question: If Rey buys 11 muffins, how many donuts will she buy?

Answer: Rey will buy ___

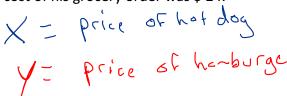
donuts.

Complex Total

Adam went to the grocery store to buy hot dogs and frozen hamburger patties. Ex.

He bought 10 hot dogs and 12 hamburgers.

The total cost of his grocery order was \$ 24.



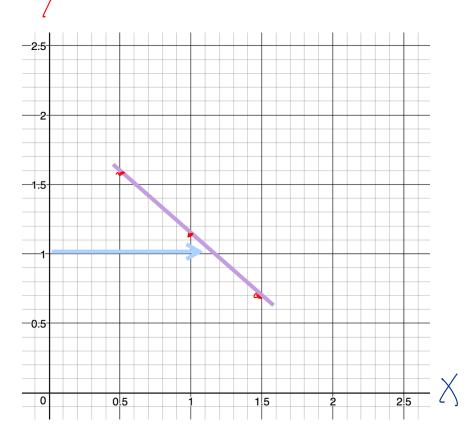
Y= Price of herburger (amount of har) (cost of ham) =

Y= Price of herburger

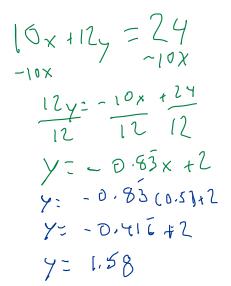
24

10x+12y=24

X	Y
0.5	1.58
1	طا. ا
1.5	0.75



6



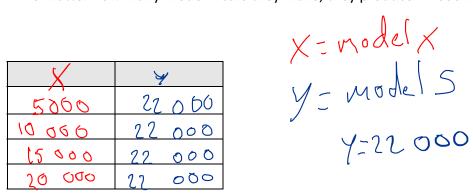
Question: If a hamburger costs \$ 1.00, how much will a hot dog cost?

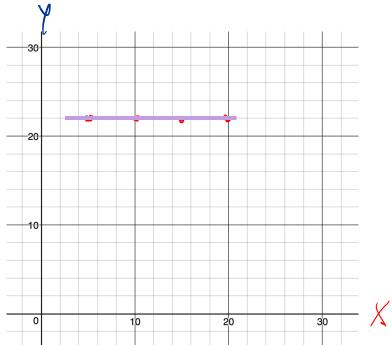
Answer: A hot dog will cost \$ _

Smiley Face Lines

Ex. Tesla makes two types of cars, the Model X and the Model S.

No matter how many Model X cars they make, they produce 22 000 model S cars.





Question: If Tesla makes 13 200 model X cars, how many Model S cars will they make?

Answer: Tesla will make _______ Model S cars..

Comparing Two Variables

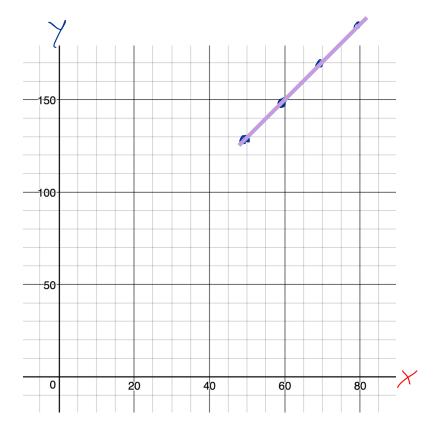
Ex. Janine and Erin compare their bank account balances. Erin has 30 more than twice as much as Janine.

Janine=X

Erinzy

y=2x+30

X	Y
50	130
60	150
70	1.70
90	190



Question: If Erin has \$ 380 in her account, how much will Janine have in hers?

Answer: Janine should have \$ _____

y-2×+30 380=2×+30 -30 -30 $\frac{350 - 2x}{2}$ 175=X