

Math6 – Unit 4 Direct Proportions

(I) Independent variables - a variable whose variation does not depend on another. The independent variable can be any number you choose. Is the input and the x.

(D) Dependent variable – a variable that does depend on the independent variable.

Constant of \_\_\_\_\_ - when x is proportional to the quantity y.

$$y = kx$$

D ↗ ↖ I

Identify the independent and dependent variables:

1. Driving miles and using gallons gas

Independent miles Dependent gallons

2. Total price and number of shirts purchased

Independent # of shirts Dependent price

3. Purchasing gallons and cost for gas

Independent gallons Dependent Cost

4. Ethan gets 50 likes for every Instagram post.

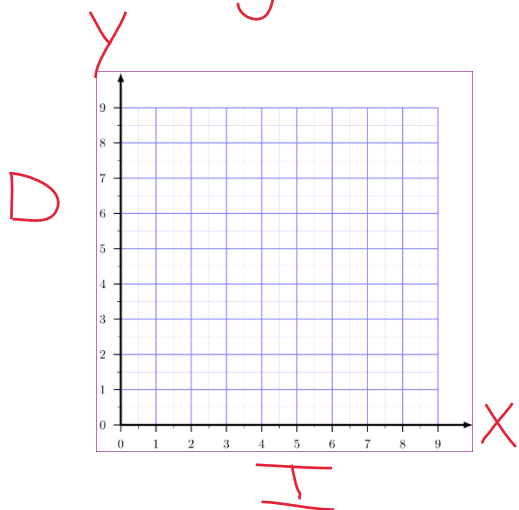
Independent post Dependent likes

5. For every 10 cookies you will receive a free lemonade.

Independent Cookies Dependent lemonade

6. Each guest at the party will eat two cupcakes.

Independent guests Dependent Cupcakes



I	D
x (guests)	y (cupcakes)
1	2
3	6

in                  out