

Name _____ Date _____ Per _____ TOC _____

Math6 – Unit 4 Direct Proportions

Independent variables - a variable whose variation _____ depend on another. The independent variable can be any number you choose. Is the input and the _____.

Dependent variable – a variable that does _____ on the independent variable.

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

$$y = k x$$

Identify the independent and dependent variables:

1. Driving miles and using gallons gas

Independent _____ Dependent _____

2. Total price and number of shirts purchased

Independent _____ Dependent _____

3. Purchasing gallons and cost for gas

Independent _____ Dependent _____

4. Ethan gets 50 likes for every Instagram post.

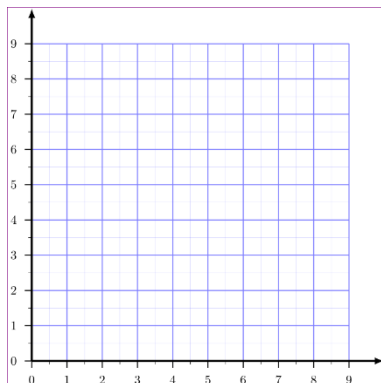
Independent _____ Dependent _____

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

Independent _____ Dependent _____

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

Independent _____ Dependent _____



X (guests)	Y (cupcakes)
1	2
3	6