

Worksheet on Lines

1. Ind: Amt of fertilizer
Dep: Length of grass
2. Ind: Amt of Salinity
Dep: # of goldfish
3. Ind: # days with extra 10 min
Dep: Math Grade
4. Ind: Amt of pesticides
Dep: Size of apples
5. Ind: Amt of exercise
Dep: Time to run a km
6. Ind: Qty of detergent
Dep: cleanliness of clothes
7. Ind: Cost of a cupcake
Dep: # cupcakes sold
8. Ind: # students
Dep: Amt of pizza

Part II

1. Ind: # years
Dep: Value (\$)
 - c) Rule: $y = 3x + 2$
 - d) $y = 3(25) + 2$
 $y = 77$
It will be worth \$77
 - e) $329 = 3x + 2$
 $327 = 3x$
 $109 = x$
in 109 years
2. Ind: #days
Dep: Height (cm)
 - c) Rule: $y = 0.5x + 5$
 - d) $y = 12.5$ cm
 - e) $x = 64$ days

Part II

3. Ind: # weeks
Dep: Weight (lbs)

c) Rule: $y = -2x + 240$

d) $y = 220$ lbs

e) $x = 70$ weeks

4. Ind: time (years)
Dep: # people

c) Rule: $y = 15x + 700$

d) $y = 1000$ people

e) $x = 20$ years

Part II

5. Ind: # months
Dep: total savings (\$)

c) Rule: $y = 10x + 15$

d) $y = \$85$

e) $x = 28.5$
In 29 months

6. Ind: # text messages
Dep: Total cost (\$)

c) Rule: $y = 0.15x + 30$

d) $y = \$33$

e) $x = 110$ text
messages