

#1

Choose the best answer

Addison is running a business and wants to predict the money lost to vehicle repairs. Repair costs are \$9 per month. Find the formula to relate the lost vehicle repair costs s and the month t . e.g. $x=1y$

☐ $t = -9s$

☐ $t = s9$

☐ $s = -9t$

☐ $s = t9$

[Show your work](#)

#2

Choose the best answer

Farmer Dylan's total chicken flock g is decreasing. He loses 6 per week. Write a formula to represent the relationship between the total number of chickens and the number of weeks h . e.g. $x=1y$

☐ $h = -6g$

☐ $g = -6h$

☐ $g = h6$

☐ $h = g6$

[Show your work](#)

#3

Choose the best answer

Jacob makes \$2 an hour. Write an equation that shows the relationship between the money made w and the hours worked x , e.g. $x=1y$.

☐ $x = -2w$

☐ $x = w2$

☐ $w = -x2$

☐ $w = 2x$

[Show your work](#)

#4

Choose the best answer

Since starting a new recycling plan, Madeline's office recycles 7 kilograms of paper each week. Write an equation that shows the relationship between the weeks l and the paper recycled k , e.g. $x=1y$.

☐ $l=k7$

☐ $l=-7k$

☐ $k=7l$

☐ $k=l7$

Show your work

#5

Choose the best answer

Madison makes \$9 an hour. Write an equation that shows the relationship between the money made u and the hours worked v , e.g. $x=1y$.

☐ $v=-u9$

☐ $u=9v$

☐ $v=9u$

☐ $u=-v9$

Show your work

#6

Choose the best answer

The International Space Station (ISS) relies on solar panels and batteries for its power. When the ISS is in the shadow of the Earth, the battery drains at a rate of 9 power units per hour. Find the formula to relate the number of hours s to the amount of power loss r . e.g. $x=1y$

☐ $s=-r9$

☐ $r=-s9$

☐ $s=9r$

☐ $r=-9s$

Show your work

#7

Brayden makes \$7 an hour. Write an equation that shows the relationship between the money made r and the hours worked s , e.g. $x=1y$.

Show your work

#8

Farmer Lauren has a supply of hay to feed the cows everyday. Write a formula to relate the hay lost d and the number of days e if the cows eat 9 bails of hay per day. e.g. $x=1y$

Show your work

#9

Choose the best answer

Farmer Zoe's total chicken flock e is decreasing. She loses 9 per week. Write a formula to represent the relationship between the total number of chickens and the number of weeks f . e.g. $x=1y$

☐ $f=e9$

☐ $e=-9f$

☐ $f=9e$

☐ $e=f9$

Show your work

#10

Pioneers are buying mules to trek across the country. Each of the 10 wagons require b mules to pull them. Write the equation to express the relationship between the total mules a they need to pull and all the wagons, e.g. $x=1y$.

Show your work

#11

Choose the best answer

Farmer Hailey's total chicken flock u is decreasing. She loses 2 per week. Write a formula to represent the relationship between the total number of chickens and the number of weeks v . e.g. $x=1y$

- ☐ $u=-2v$
☐ $v=-u^2$
☐ $v=-2u$
☐ $u=v^2$

Show your work

#12

Choose the best answer

Madison is running a business and wants to predict the money lost to vehicle repairs. Repair costs are \$10 per month. Find the formula to relate the lost vehicle repair costs l and the month m . e.g. $x=1y$

- ☐ $m=l10$
☐ $l=-m10$
☐ $m=-10l$
☐ $l=-10m$

Show your work

Question	Answer
#1	choice 3
#2	choice 2
#3	choice 4
#4	choice 3
#5	choice 2
#6	choice 4
#7	$r=7s$
#8	$d=-9e$
#9	choice 2
#10	$a=10b$
#11	choice 1
#12	choice 4