

#1

Choose the best answer

Alexa wants a formula to figure out how far she goes on her runs. She will need the total distance k , and how many blocks she ran l . If a block is 8 meters, write the equation she needs, e.g. $x=1y$.

☐ $k = -l8$

☐ $k = 8l$

☐ $l = -k8$

☐ $l = 8k$

Show your work

#2

Choose the best answer

Farmer Connor has a supply of hay to feed the cows everyday. Write a formula to relate the hay lost b and the number of days c if the cows eat 5 bails of hay per day. e.g. $x=1y$

☐ $c = -b5$

☐ $c = 5b$

☐ $b = -5c$

☐ $b = c5$

Show your work

#3

You are taking your grain to market tomorrow and have q bushels of wheat, and each bushel sells for \$2. Write an equation that shows the relationship between the total worth p , and the number of bushels, e.g. $x=1y$.

Show your work

#4

Astronaut Kevin needs to do an EVA in his spacesuit and wants to calculate how much oxygen he will lose every minute. If Kevin consumes 2 units of oxygen every minute, write an equation to relate the amount of oxygen lost s and the amount of minutes t that have passed. e.g. $x=1y$

Show your work

#5

Choose the best answer

You want to sell your horse figurine collection of w figurines for \$19 each. Write an equation to show the relationship between the total money made v and the price of figurines, e.g. $x=1y$.

☐ $w=-v19$

☐ $v=-w19$

☐ $v=19w$

☐ $w=19v$

Show your work

#6

Choose the best answer

Astronaut Caden needs to do an EVA in his spacesuit and wants to calculate how much oxygen he will lose every minute. If Caden consumes 15 units of oxygen every minute, write an equation to relate the amount of oxygen lost r and the amount of minutes s that have passed. e.g. $x=1y$

☐ $s=15r$

☐ $s=-r15$

☐ $r=s15$

☐ $r=-15s$

Show your work

#7

Chloe wants to make a unicorn hair wig, but a unicorn only sheds 20 hairs a day. Write an equation to show the relationship between days c and the total unicorn hairs shed b , e.g. $x=1y$.

Show your work

#8

The city produces 18 jobs every year v . Write an equation to show the relationship between how many jobs are produced each year, and the total number of jobs u , e.g. $x=1y$.

Show your work

#9

Jackson is running a business and wants to predict the money lost to vehicle repairs. Repair costs are \$15 per month. Find the formula to relate the lost vehicle repair costs w and the month x . e.g. $x=1y$

Show your work

#10

Andrew makes \$5 an hour.
Write an equation that shows
the relationship between the
money made f and the hours
worked g , e.g. $x=1y$.

Show your work

#11

Jacob wants a formula to figure out
how far he goes on his runs. He will
need the total distance d , and how
many blocks he ran e . If a block is 15
meters, write the equation he needs,
e.g. $x=1y$.

Show your work

#12

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

Show your work

Question	Answer
#1	choice 2
#2	choice 3
#3	$p=2q$
#4	$s=-2t$
#5	choice 3
#6	choice 4
#7	$b=20c$
#8	$u=18v$
#9	$w=-15x$
#10	$f=5g$
#11	$d=15e$
#12	$f=7g$