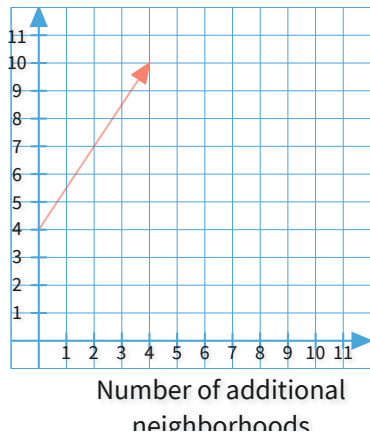


#1

The amount of a power a city requires must to increase for every 20 new neighborhoods. Look at the graph below and calculate how many more kilowatts are required for 20 new neighborhoods.

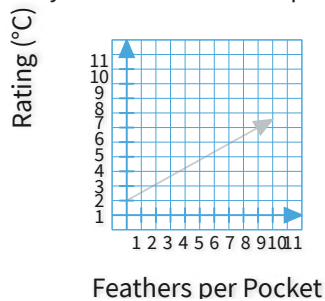


kilowatts

Show your work

#2

Below is a graph that shows the relationship between the warmth of a jacket and how many feathers are in each air pocket. If the warmth rating of a jacket is 6 degrees, how many feathers would be expected to be in each air pocket?

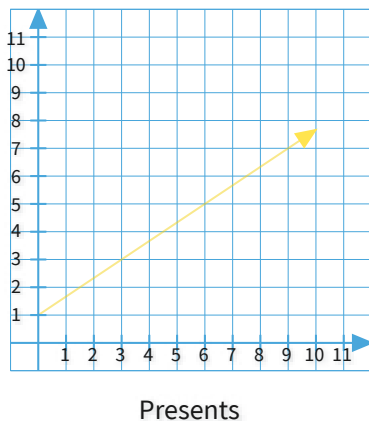


- 9 feathers
- 11 feathers
- 6 feathers
- 12 feathers

Show your work

#3

If the graph below shows the relationship between the number of extended family members and the number of presents under the Christmas tree, how many presents would you expect if there are 5 family members coming over?

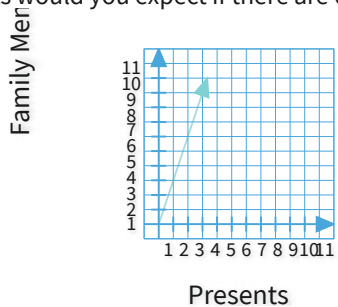


presents

Show your work

#4

If the graph below shows the relationship between the number of extended family members and the number of presents under the Christmas tree, how many presents would you expect if there are 6 family members coming over?

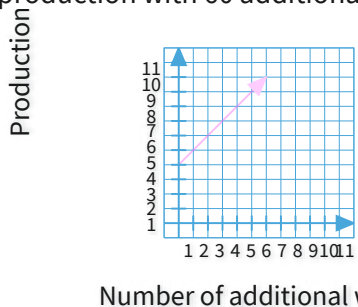


- 2 presents
- 1 present
- 0 presents
- 5 presents

Show your work

#5

The graph below shows how an increase in power by 60 watts increases production by so many times. How many times faster is production with 60 additional watts of power?

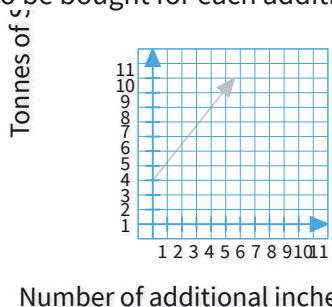


- 13 times
- 10 times
- 12 times
- 8 times

Show your work

#6

For each additional 40 inches of snow that falls the city of Edmonton has to buy more sand for the roads. How many more tons of sand needs to be bought for each addition 40 inches of snow?

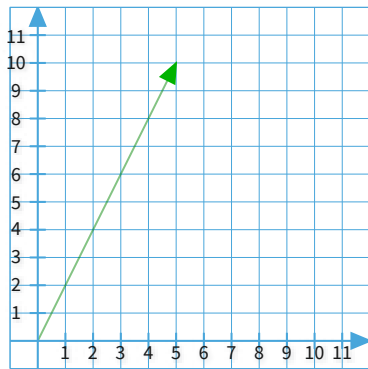


- 8 tonnes
- 7 tonnes
- 11 tonnes
- 5 tonnes

Show your work

#7

The graph belows shows the relationship between the size a goldfish will grow to and the size of it's tank. If a goldfish is in a tank 4 centimeters long, how big will it grow in millimeters?



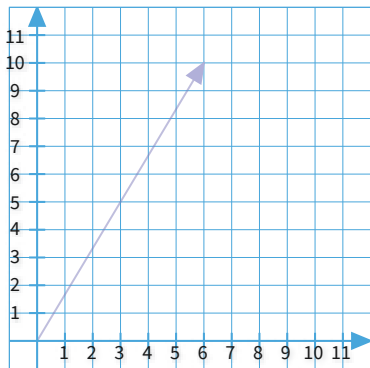
Goldfish Size (mm)

mms

Show your work

#8

This graph shows how the distance Ashley runs depends on the number of track practices she makes it to. How many track practices would Ashley have to make it to in order to run 5 miles?



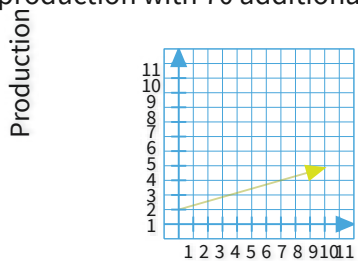
Practices

practices

Show your work

#9

The graph below shows how an increase in power by 70 watts increases production by so many times. How many times faster is production with 70 additional watts of power?



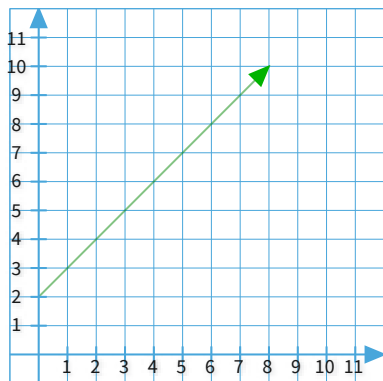
Number of additional watts

- 1 time
- 3 times
- 0 times
- 4 times

Show your work

#10

This graph shows how the time required to complete an online shopping transaction is related to the number of products being purchased. If it takes 10 seconds to complete a transaction, how many products are being purchased?

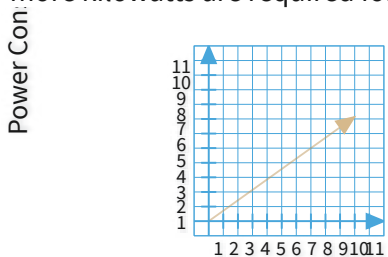


products

Show your work

#11

The amount of a power a city requires must to increase for every 70 new neighborhoods. Look at the graph below and calculate how many more kilowatts are required for 70 new neighborhoods.



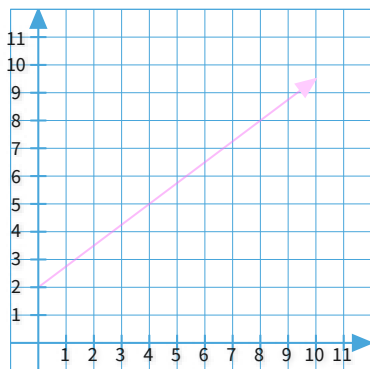
Number of additional neighborhoods

- 5 kilowatts
- 4 kilowatts
- 6 kilowatts
- 7 kilowatts

Show your work

#12

This graph shows the relationship between muscle gain and exercise. If Mackenzie does 5 hours of lifting, how much muscle should she expect to gain?



Muscle (lbs)

lbs

Show your work

Question	Answer
#1	7
#2	choice 1
#3	6
#4	choice 1
#5	choice 2
#6	choice 1
#7	2
#8	3
#9	choice 2
#10	8
#11	choice 1
#12	4