lı.	Find the Constant of Variation Graphs
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Name:

#1

The graph below shows the relationship between weeks of school and number of study hours. What is the constant of variation? Write your answer as a decimal or integer.

Study

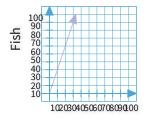


Weeks of School

## hours per week

Show your work

The graph shows how the number of fish in a pond is related to the size of the pond. What is the constant of variation? Write your answer as a decimal or integer.



Pond Size (ft<sup>2</sup>)

0 4

0.5

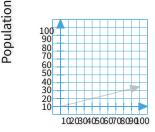
0

0 2

Show your work

#3

The graph below shows how the total number of rabbits in a year is related to how big the yard is in square feet. What is the constant of variation? Write your answer as a decimal or integer.



Yard Size (ft<sup>2</sup>)

) 1

0.5

 $\bigcirc$  2

0.25

Show your work

lı.	<b>I</b> Find the Constant of Variation Graphs				Name:
#4	The graph below shows how size of sunflower relates to how many house of sun there are. What is the constant of variation? Write your answer as a decimal or integer.				
	Height (in)	11 10 9 8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8 91011			
		Sun (hours)			
	0.25		0	4	
	O 2		0	0.5	Show your work
#5	square feet of water Write yo	vs how the amount of are nearby. What is the ur answer as a decima	e const	ant of variation?	
	Rainfall (in)	11 10 9 8 7 6 5 4 3 2 1 1 2 3 4 5 6 7 8 91@1			
		Nearby Water (ft²)			
	O 2		0	0.5	
	O 3		0	1	Show your work
#6	square feet of water	vs how the amount of are nearby. What is the ur answer as a decima  11 123456789101  Nearby Water (ft²)	e const	ant of variation?	
		inches pe	r ft <sup>2</sup>	2	
					Show your work

#7

The graph below shows how the amount of rain relates to how many square feet of water are nearby. What is the constant of variation?

Write your answer as a decimal or integer.

| 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100

10203040506070809000 Nearby Water (ft<sup>2</sup>)

O 3

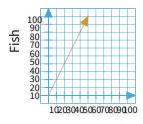
O 2

0.5

) 4

Show your work

The graph shows how the number of fish in a pond is related to the size of the pond. What is the constant of variation? Write your answer as a decimal or integer.



Pond Size (ft<sup>2</sup>)

 $\bigcirc$  1

O 2

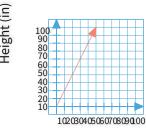
0.5

⊃ 4

Show your work

#9

The graph below shows how size of sunflower relates to how many house of sun there are. What is the constant of variation? Write your answer as a decimal or integer.



Sun (hours)

0.25

O 2

O 3

 $\bigcirc$  1

Show your work

lı.	Find the Constant of Varia	ation Graphs	Name:
#10	The graph below shows the relation many televisions are in the house. We write your answer as a second seco	/hat is the constant of variation? decimal or integer.	
	O 2	O 4	
	O 3	O 1	Show your work
#11	The graph below shows how size of house of sun there are. What is the canswer as a decin	constant of variation? Write your nal or integer.	
			Show your work
#12	The graph below shows the relation and number of study hours. What is your answer as a decomposity of the state of the sta	the constant of variation? Write cimal or integer.	
			Show your work

Question	Answer
#1	1
#2	choice 3
#3	choice 4
#4	choice 1
#5	choice 4
#6	0.25
#7	choice 2
#8	choice 2
#9	choice 2
#10	choice 3
#11	0.25
#12	1