

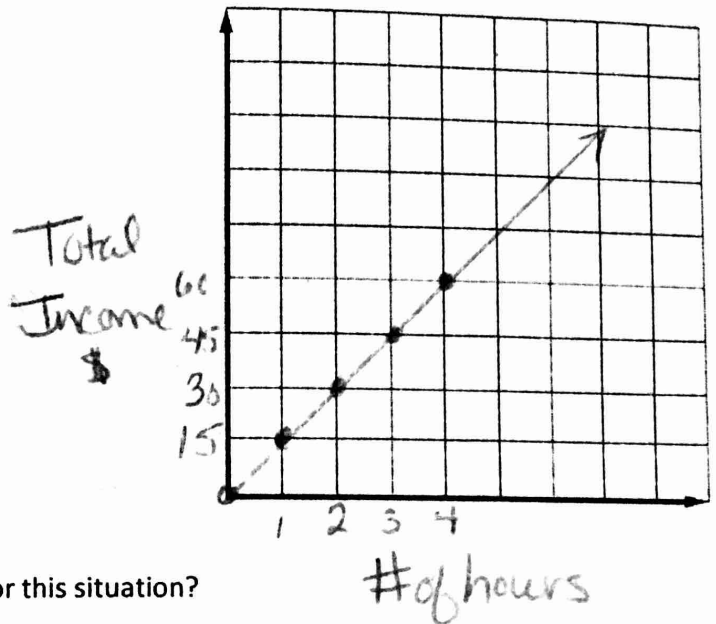
f Gavin charges \$15 an hour to mow grass.

Write a rule (equation) to represent his total income.

$$y = 15x$$

Make a table and graph for this situation

x		y
0	$15(0)$	0
1	$15(1)$	15
2	$15(2)$	30
3	$15(3)$	45
4	$15(4)$	60



g What values of the domain and range make sense for this situation?

Domain: positive whole #s

Range: positive rational #s

What is the independent and dependent variables?

I: # of hours

D: Total Income

How much money will he make if he mows for 5 hours?

$$15(5) = \$75.00$$

Is this a linear relationship? yes

Is this a function? yes

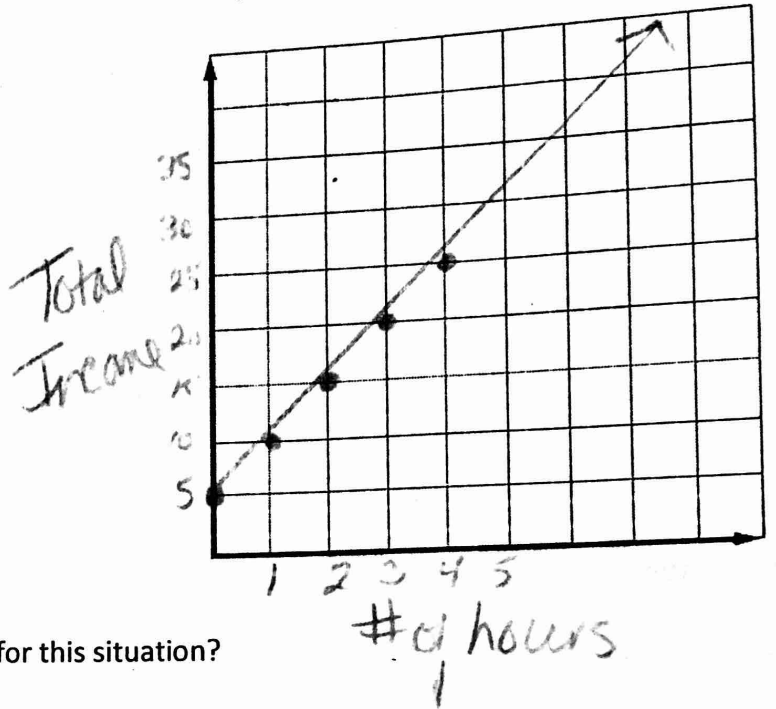
Jane started with \$5 in her piggy bank. She earned \$5 an hour dog sitting her neighbor's puppy.

Write a rule (equation) to represent her total income.

$$y = 5 + 5x$$

Make a table and graph for this situation

x		y
0	$5 + 5(0)$	5
1	$5 + 5(1)$	10
2	$5 + 5(2)$	15
3	$5 + 5(3)$	20
4	$5 + 5(4)$	25



What values of the domain and range make sense for this situation?

Domain: positive whole #s

Range: positive rational

What is the independent and dependent variables?

I: # of hours

D: Total Income

How much money will she make if she dog sits for 7 hours?

$$5 + 5(7) = \$40$$

Is this a linear relationship? yes

Is this a function? yes