

Use the situation to answer the questions and fill in the table.

- 1. Sully does 3 out of every 5 problems correctly.
 - a. Write an equation to represent this.

$$y = \frac{3}{5} \times \text{ or } y = 0.6 \times$$

b. If Mr Sully takes a test with 50 problems, how many will he get correct? Use your equation.

4=0.6(20)		
Jy = 30	correct	

c. If Mr Sully does a homework and gets 15 correct, how may problems were on the homework?

12 =	0.6x
0.6	0.6
25-	. ~

X	4
# of problems	# done correctly
50	30
10	6
25	15
90	12

- 2. 10% of people are left handed.
 - a. Write an equation to represent this.

b. If there are group of 80 people, how many are left handed? Use your equation.

c. If a group of people has 9 left handed people, how many are in the group? Use your equation.

9=	0,1×	
0,1	0.1	90 people
90=	×	

X	9
People (#)	Left handed (#)
100	10
18	1.8
150	15
60	6

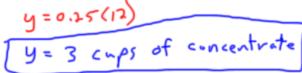
- 3. The recipe for "Crusty Lemonade" is 1 part concentrate for every 4 cups of water.
 - Write an equation to represent this.

b. How much water should you use with 8 cups of concentrate? Use your equation.

8 =	672×	
6.25	0.25	

$\overline{}$			
x =	32	C hps	water
		•	

c. How much concentrate should you use with 12 cups of water? Use your equation.

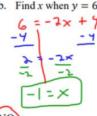


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Water (cups)	Concentrate (cups)
12	3
6	1.5
35	8
40	10

Use the equation to answer the questions and fill in the table.

- 4. Equation: y = -2x + 4
 - a. Find y when x = 6

- c. Is the equation proportional? YES or NO
- b. Find x when y = 6



	x
-2(1)+4	1
-2(3)+4	3

- 1- 1	-74
-10-	
-4	
-14 =	- 2×
0 -	

- 5. Equation: y = 1.2x
 - a. Find y when x = 6

b. Find x when y = 6

$$\frac{6 = 1.2 \times}{1.2}$$

-6	- 7.ฉ
8.5	10
- 20	-24

- c. Is the equation proportional? (YES) or NO

- 6. Equation: m = 6h + 4
 - a. Find m when h = 6

- c. Is the equation proportional? YES or NO
- b. Find h when m = 6

1	3	29
4	-4	-20
7	l	10

16

- 7. Equation: $d = \frac{3}{4}t$
 - a. Find t when d = 6
- b. Find d when t = 6

$$d = \frac{18}{4}$$

	-	_4		
Ţ	d =	د ام	61	4.5

	0	0
)	-8	- کو
7	13	9

- c. Is the equation proportional? (YES) or NO