Name _____ Date _____

Basic Function Tables - Guided Lesson Explanation

Explanation#1

We have to complete the table to show how the number y, depends on the number x.

$y = -5x$

x	y
8	-40
3	
2	
-5	
-1	5

We use the equation to complete the table.

We will start with the number in the "x" column. Replace the variable x with each number to find y.

x = 3 y = -5x y = -5 x 3 y = -15	x = 2 y = -5x y = -5 x 2 y = -10	x = -5 y = -5x y = -5 x -5 y = 25

So, the answer is in the table:

x	y
8	-40
3	-15
2	-10
-5	25
-1	5

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Explanation # 2

We have complete the table to show how the number of y, depends on the number of x.

$y = x - 3$

x	y
-4	
1	
3	
-5	
9	

We use the equation to complete the table. We will start with the number in the " x" column. Replace the variable x with each number to find y.

x = -4 y = x – 3 y = -4 - 3 y = -7	x = 1 y = x – 3 y = 1 - 3 y = -2	x = 3 y = x – 3 y = 3 - 3 y = 0	x = -5 y = x – 3 y = -5 - 3 y = -8	x = 9 y = x – 3 y = 9 - 3 y = 6

So, the answer is in the table:

x	y
-4	-7
1	-2
3	0
-5	-8
9	6

Explanation # 3

We have to complete the table to show how the number of y, depends on the number of x.

$y = 5x - 7$

x	y
2	
3	
-7	
4	
1	-2

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We use the equation to complete the table.

We will start with the number in the “x” column. Replace the variable x with each number to find y.

x = 2 y = 5x – 7 y = 5 x 2 – 7 y = 10 - 7 y = 3	x = 3 y = 5x – 7 y = 5 x 3 – 7 y = 15 - 7 y = 8	x = -7 y = 5x – 7 y = 5 x -7 – 7 y = -35 - 7 y = -42	x = 4 y = 5x – 7 y = 5 x 4 – 7 y = 20 - 7 y = 13
x = 1 y = 5x – 7 y = 5 x 1 – 7 y = 5 - 7 y = -2			

So, the answer is in the table:

x	y
2	3
3	8
-7	42
4	13
1	-2