Name: _____ **Homework #8**

Directions: Each day Thursday through Wednesday (not including weekends), there are 1-4 questions to complete for homework. You may complete the work in the space provided. If you choose to work on a separate sheet of paper, record your answer in the appropriate box, and staple your separate sheet of paper to this one. ***To earn full credit, you must show some work when solving equations.***

**IMPORTANT: Go to this link and insert your answers

Thursday

Which table contains only x-values and y-values that make the equation $y = 4.8x$ true?

F

x	y
2	9.6
4	19.2
6	28.8
8	38.4

H

x	y
2	4.8
4	9.6
6	14.4
8	19.2

G

x	y
3	7.8
5	9.8
7	11.8
9	13.8

J

x	y
3	14.4
5	19.2
7	24.0
9	28.8

A pet store owner will order dog beds for his shop. The relationship between x, the number of boxes he will order, and y, the number of dog beds he will receive, can be represented by the equation $y = 12x$.
Which table contains only values that represent the equation?

A

Dog Beds

Number of Boxes, x	Number of Dog Beds, y
3	36
6	72
9	108
15	180

C

Dog Beds

Number of Boxes, x	Number of Dog Beds, y
3	36
6	72
9	108
15	144

B

Dog Beds

Number of Boxes, x	Number of Dog Beds, y
2	14
6	18
10	22
14	26

D

Dog Beds

Number of Boxes, x	Number of Dog Beds, y
2	24
6	36
10	48
14	60

Friday

Which table of values does NOT represent $y = x + 4.5$?

F

x	y
1	5.5
2	6.5
3	7.5
5	9.5

H

x	y
2	6.5
4	8.5
5	9.5
6	10.5

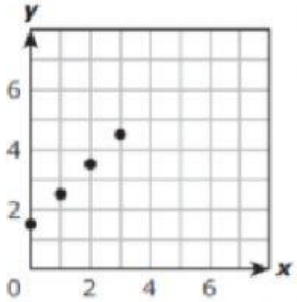
G

x	y
4	18.0
5	22.5
6	27.0
9	40.5

J

x	y
1	5.5
3	7.5
7	11.5
9	13.5

The graph shown represents the rule $y = x + 1.5$.



Which table contains only values that represent the rule?

A

x	0	1	2	3	9
y	0	1.5	3	4.5	6

C

x	0	1	2	3	9
y	1.5	3	4.5	6	7.5

B

x	0	1	2	3	9
y	0	1.5	3	4.5	13.5

D

x	0	1	2	3	9
y	1.5	2.5	3.5	4.5	10.5

LIVEWORKSHEETS

Monday

Which table represents the equation $y = 3x$?

F

x	y
3	1
6	2
15	5
18	6

G

x	y
1	3
3	9
4	12
7	21

H

x	y
1	1
3	3
5	5
7	7

J

x	y
1	3
4	9
6	12
7	18

The table shows x-values and y-values for a number pattern.

x	y
12	18
24	30
48	54
60	66

Which statement is true?

F The pattern is multiplicative, because the y-values are 1.5 times the corresponding x-values.

G The pattern is multiplicative, because the y-values are 6 more than the corresponding x-values.

H The pattern is additive, because the y-values are 1.5 times the corresponding x-values.

J The pattern is additive, because the y-values are 6 more than the corresponding x-values.

The table represents a relationship between x and y.

x	y
5	22
10	27
15	32
20	37

The relationship between the x-values and y-values creates a pattern that is --

A additive, because each x-value increases by 5

B additive, because each y-value is determined by adding 17 to the corresponding x-value

C multiplicative, because each y-value is determined by multiplying the corresponding x-value by 17

D multiplicative, because each x-value is a multiple of 5

LIVEWORKSHEETS

Tuesday

Which statement is NOT true about a coordinate grid?

A The vertical number line is the y-axis.

B In a coordinate grid, the x-axis and the y-axis are perpendicular to each other.

C The x-coordinate is the second number in an ordered pair.

D The origin is the intersection of the x-axis and the y-axis.

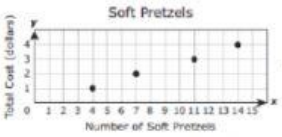
The table shows the relationship between the numbers of soft pretzels customers bought at a store and the total cost of the pretzels in dollars.

Soft Pretzels

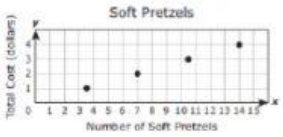
Number of Soft Pretzels, x	Total Cost, y (dollars)
1	3.50
2	7.00
3	10.50
4	14.00

Which graph best represents the data from the table?

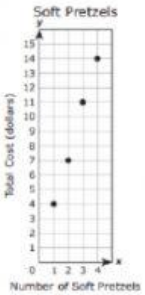
F



H



G



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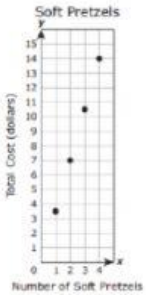
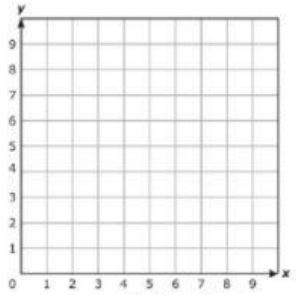


Jim plotted the following ordered pairs on a coordinate grid.

(1, 3) (3, 6) (7, 6) (9, 3)



Jim connected the points with line segments to form a polygon. Which point is located inside the polygon?

A (4, 5)

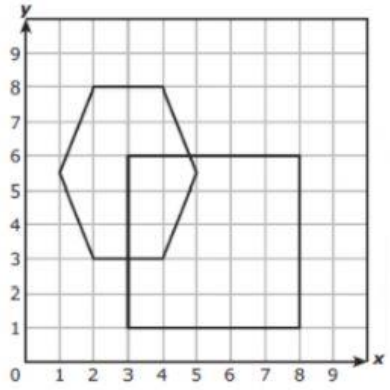
B (8, 6)

C (5, 7)

D (3, 1)

Wednesday

There are two shapes drawn on the coordinate grid, as shown.



Which ordered pair represents a point that is inside both shapes?

A (3.5, 5.5)

B (5.5, 3.5)

C (4.5, 2.5)

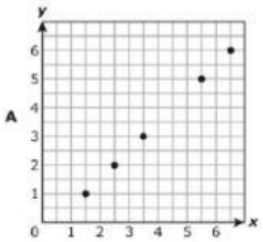
D (2.5, 4.5)

A table of ordered pairs is shown.

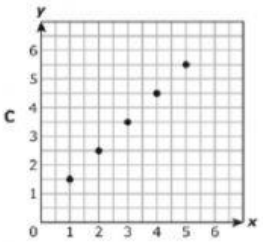
x	1	2	3	5	6
y	$1\frac{1}{2}$	$2\frac{1}{2}$	$3\frac{1}{2}$	$5\frac{1}{2}$	$6\frac{1}{2}$

Which graph best represents these ordered pairs?

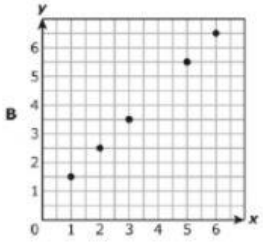
A



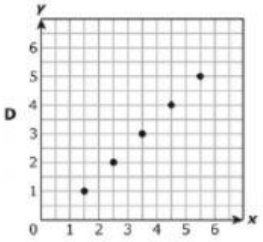
C



B



D



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