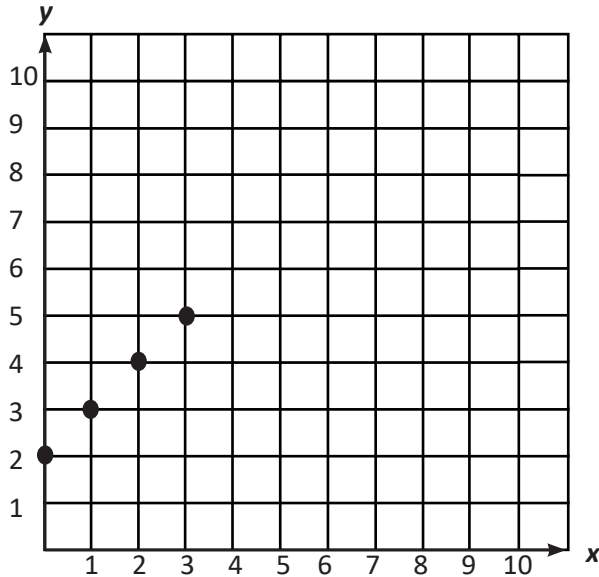


- 5.OA.B.3:**
- Generate two numerical patterns, each using a given rule
 - Identify apparent relationships between corresponding terms by completing a function table or input/output table
 - Using the terms created, form and graph ordered pairs in the first quadrant of the coordinate plane

1. The ordered pairs for the points on the coordinate plane satisfy the equation $y = x + 2$.



Which of these tables shows other points that satisfy the equation $y = x + 2$?

- A)

x	4	7	10	13
y	2	5	8	11

 B)

x	9	12	15	18
y	11	14	17	20
- C)

x	12	15	18	21
y	15	18	21	24

 D)

x	12	15	18	21
y	9	12	15	18

2. Which table could represent the equation $y = 0.2x$?

- A)

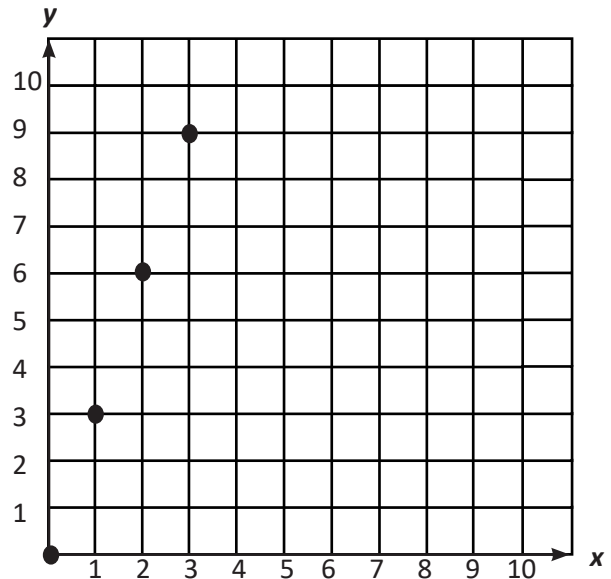
x	5	10	15	20
y	1	2	3	4
- B)

x	5	10	15	20
y	0.3	0.6	0.9	1.2
- C)

x	5	10	15	20
y	1.5	2.0	3.5	4.0
- D)

x	5	10	15	20
y	25	50	75	100

3. The ordered pairs for the points on the coordinate plane satisfy the equation $y = 3x$.



Which of these tables shows other points that satisfy the equation $y = 3x$?

- A)

x	3	9	14	19
y	6	18	28	38

 B)

x	3	9	14	19
y	9	15	20	25
- C)

x	3	9	14	19
y	6	12	17	22

 D)

x	3	9	14	19
y	9	27	42	57

4. Which table could represent the equation $y = 1.4x$?

- A)

x	4	14	18	24
y	3.6	16.6	24.2	28.6
- B)

x	4	14	18	24
y	6	10	14	18
- C)

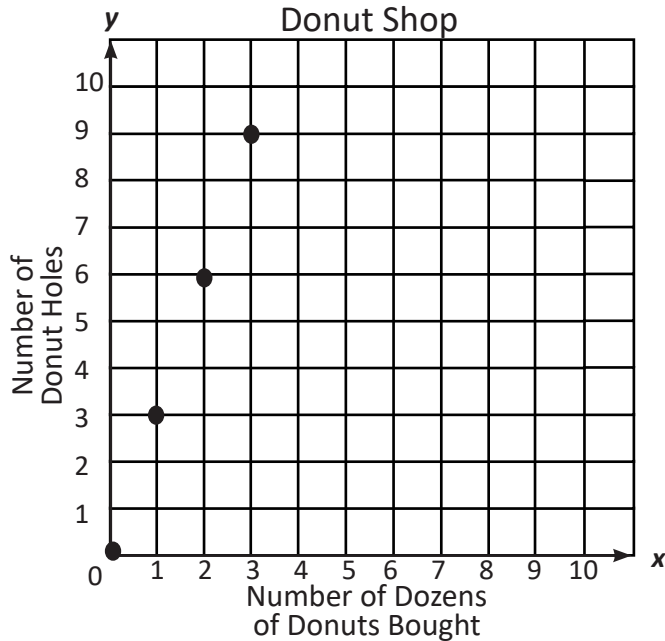
x	4	14	18	24
y	5.6	19.6	25.2	33.6
- D)

x	4	14	18	24
y	4.4	12.8	16.4	20.6

5.OA.B.3: • Generate two numerical patterns, each using a given rule

- Identify apparent relationships between corresponding terms by completing a function table or input/output table
- Using the terms created, form and graph ordered pairs in the first quadrant of the coordinate plane

1. Customers at a donut shop receive 3 free donut holes for every dozen donuts purchased. The graph shows the relationship between x , the number of dozens of donuts customers buy, and y , the number of donut holes customers receive.



Which table also represents this relationship?

A)

Number of Dozens of Donuts Sold (x)	Number of Donut Holes (y)
6	6
7	7
8	8
9	9

B)

Number of Dozens of Donuts Sold (x)	Number of Donut Holes (y)
6	2
10	5
14	7
18	9

C)

Number of Dozens of Donuts Sold (x)	Number of Donut Holes (y)
6	18
7	21
8	24
9	27

D)

Number of Dozens of Donuts Sold (x)	Number of Donut Holes (y)
4	8
5	10
6	12
7	14

2. A clothing store is having a sale and lowering the final price of clothing items. The relationship between the regular price and the sale price can be represented by the equation $y = x - 25$. Which table could represent this relationship?

A)

Regular Price (x)	Sale Price (y)
54	21
57	24
68	33
79	44

B)

Regular Price (x)	Sale Price (y)
72	47
86	61
93	68
104	79

C)

Regular Price (x)	Sale Price (y)
72	47
88	65
93	68
104	79

D)

Regular Price (x)	Sale Price (y)
54	79
57	82
68	93
79	104

3. Which table could represent the equation $y = 2.5x$?

A)

x	8	12	16	22
y	2.7	3.2	4.4	5.2

B)

x	8	12	16	22
y	2.9	3.2	4.8	5.6

C)

x	8	12	16	22
y	2.0	3.0	4.5	5.5

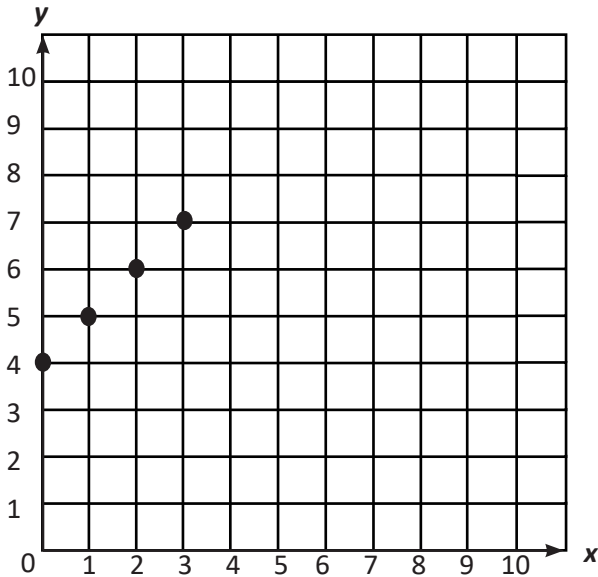
D)

x	8	12	16	22
y	20	30	40	55

5.OA.B.3: • Generate two numerical patterns, each using a given rule

- Identify apparent relationships between corresponding terms by completing a function table or input/output table
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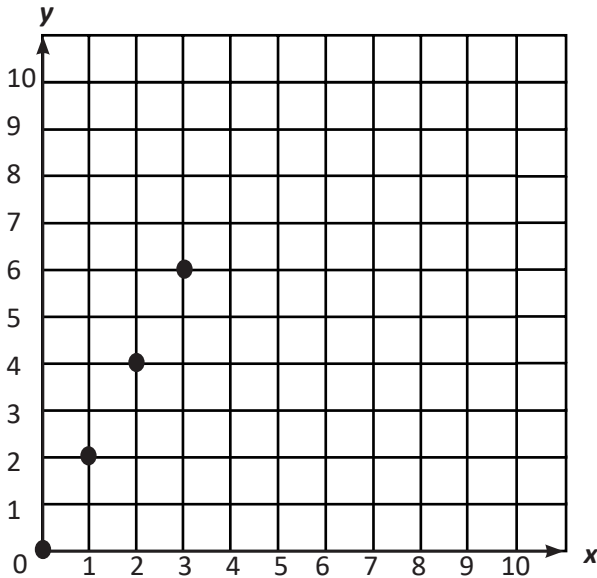
1. The equation $y = x + 4$ represents the points plotted on the grid.



Which set of ordered pairs could be plotted using $y = x + 4$?

- A) (8, 13), (11, 16), (16, 21)
- B) (4, 10), (9, 15), (17, 23)
- C) (9, 13), (11, 15), (17, 21)
- D) (1, 8), (4, 12), (11, 19)

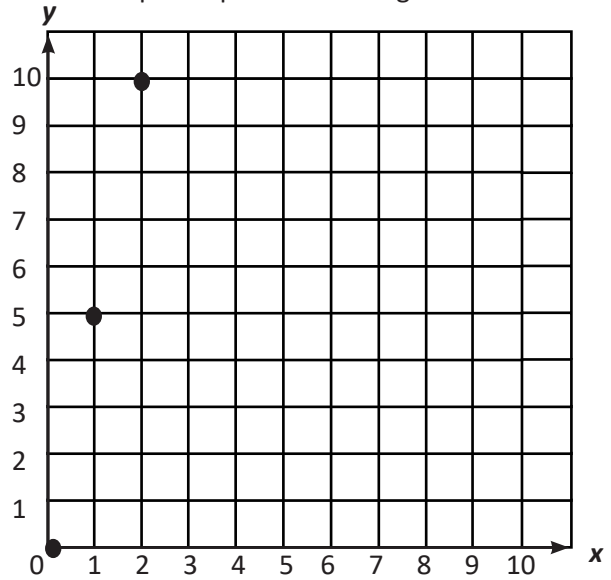
2. The equation $y = 2x$ represents the points plotted on the grid.



Which set of ordered pairs could be plotted using $y = 2x$?

- A) (3, 9), (5, 15), (7, 21)
- B) (6, 10), (9, 13), (15, 19)
- C) (8, 12), (12, 16), (14, 18)
- D) (4, 8), (6, 12), (11, 22)

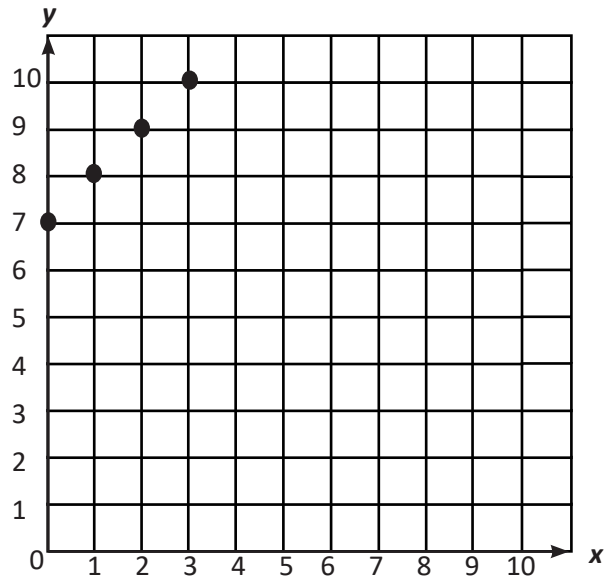
3. Observe the points plotted on the grid.



Which equation represents the points plotted on the grid?

- A) $y = x + 5$
- B) $y = 5x$
- C) $y = 10x$
- D) $y = x + 10$

4. Observe the points plotted on the grid.



Which equation represents the points plotted on the grid?

- A) $y = x + 7$
- B) $y = 7x$
- C) $y = 8x$
- D) $y = x + 1$

5.OA.B.3: • Generate two numerical patterns, each using a given rule

- Identify apparent relationships between corresponding terms by completing a function table or input/output table
- Using the terms created, form and graph ordered pairs in the first quadrant of the coordinate plane

1. The relationship between numbers in List X and List Y follow the rule $y = x + 3.05$. Which diagram shows this relationship?

A)

List X	List Y
2.15	→ 5.55
4.15	→ 7.55
11.15	→ 14.55
16.15	→ 19.55

B)

List X	List Y
2.25	→ 5.2
4.25	→ 7.2
11.25	→ 14.2
16.25	→ 19.2

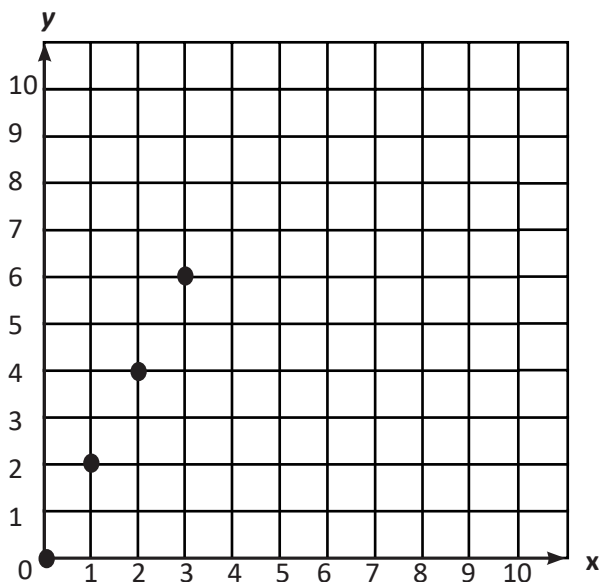
C)

List X	List Y
12.55	→ 5.2
14.25	→ 7.2
15.25	→ 14.2
19.25	→ 19.2

D)

List X	List Y
12.5	→ 15.55
14.5	→ 17.55
21.5	→ 24.55
26.5	→ 29.55

2. The ordered pairs for the points on the coordinate plane satisfy the equation $y = 2x$.



Which of these tables shows other points that satisfy the equation $y = 2x$?

A)

x	4	12	16	19
y	12	20	32	38

B)

x	4	12	16	19
y	8	20	32	38

C)

x	6	9	13	17
y	18	24	26	34

D)

x	6	9	13	17
y	12	18	26	34

3. Which table could represent the equation $y = 3.7x$?

A)

x	6	9	14	22
y	22.2	33.3	51.8	81.4

B)

x	6	9	14	22
y	19.3	31.6	49.8	77.4

C)

x	6	9	14	22
y	21.3	32.4	47.4	78.3

D)

x	6	9	14	22
y	18.9	33.4	45.4	78.8

4. Which table could represent the equation $y = 2.9x$?

A)

x	4	7	15	31
y	10.6	19.3	40.5	86.2

B)

x	4	7	15	31
y	12.6	21.3	43.5	89.9

C)

x	4	7	15	31
y	13.6	23.3	44.6	81.9

D)

x	4	7	15	31
y	11.6	20.3	43.5	89.9

5. The relationship between numbers in List X and List Y follow the rule $y = 1.7x$. Which diagram shows this relationship?

A)

List X	List Y
3.5	→ 5.17
4.5	→ 7.23
8.5	→ 14.39
12.5	→ 21.54

B)

List X	List Y
3.5	→ 4.95
4.5	→ 8.65
8.5	→ 13.45
12.5	→ 22.25

C)

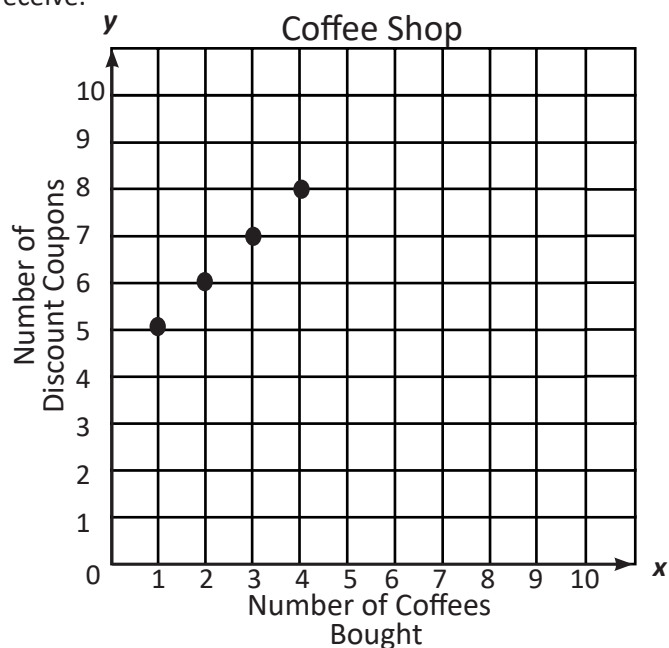
List X	List Y
3.5	→ 5.95
4.5	→ 7.65
8.5	→ 14.45
12.5	→ 21.25

D)

List X	List Y
3.5	→ 6.15
4.5	→ 8.34
8.5	→ 15.55
12.5	→ 22.75

- 5.OA.B.3:** • Generate two numerical patterns, each using a given rule
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1. Customers at a coffee shop receive free discount coupons for every coffee they buy. The graph shows the relationship between x , the number of coffees customers buy, and y , the number of discount coupons customers receive.



Which table also represents this relationship?

- A)

Number of Coffees Bought (x)	Number of Discount Coupons (y)
14	17
18	21
28	33
32	36
- B)

Number of Coffees Bought (x)	Number of Discount Coupons (y)
9	14
13	18
22	27
34	39
- C)

Number of Coffees Bought (x)	Number of Discount Coupons (y)
17	21
21	25
33	37
39	43
- D)

Number of Coffees Bought (x)	Number of Discount Coupons (y)
7	13
11	17
23	29
31	37

2. Which table could represent the equation $y = 1.8x$?

- A)

x	5	8	15	28
y	9.3	31	26.5	48.6
- B)

x	5	8	15	28
y	9	14.4	27	50.4
- C)

x	5	8	15	28
y	8	32.1	27	51.4
- D)

x	5	8	15	28
y	8.4	31.6	26.5	48.8

3. Which table could represent the equation $y = 6.4x$?

- A)

x	3	6	12	14
y	19.2	36.4	74.6	88.6
- B)

x	3	6	12	14
y	18.6	35.8	76.8	89.1
- C)

x	3	6	12	14
y	18.6	23.3	44.6	89.3
- D)

x	3	6	12	14
y	19.2	38.4	76.8	89.6

4. The relationship between numbers in List X and List Y follow the rule $y = 2.3x$. Which diagram shows this relationship?

- A)

List X	List Y
4.2	→ 9.66
5.3	→ 12.19
9.6	→ 22.08
13.7	→ 31.51
- B)

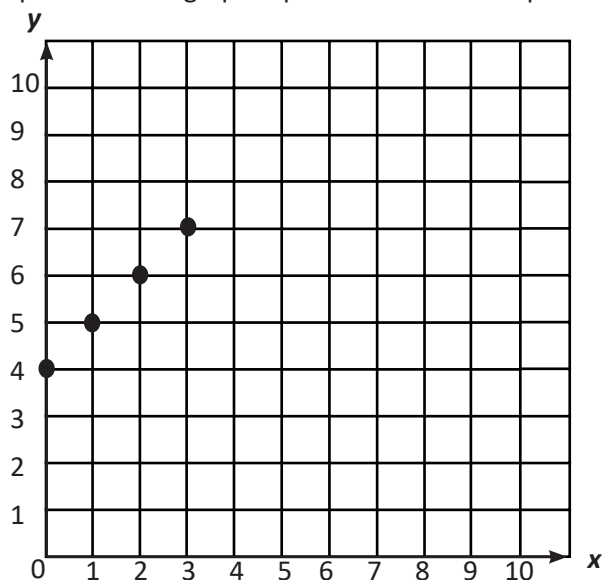
List X	List Y
4.2	→ 9.16
5.3	→ 12.11
9.6	→ 22.16
13.7	→ 32.36
- C)

List X	List Y
4.2	→ 8.43
5.3	→ 11.13
9.6	→ 22.08
13.7	→ 32.15
- D)

List X	List Y
4.2	→ 8.94
5.3	→ 12.15
9.6	→ 23.06
13.7	→ 31.31

- 5.OA.B.3:**
- Generate two numerical patterns, each using a given rule
 - Identify apparent relationships between corresponding terms by completing a function table or input/output table
 - Using the terms created, form and graph ordered pairs in the first quadrant of the coordinate plane

1. The points on the graph represent a numerical pattern.



Which statement about the pattern represented on the graph is true?

- A)** It is a multiplicative pattern because each y -coordinate has a higher value than the corresponding x -coordinate.
- B)** It is a multiplicative pattern because each x -coordinate is multiplied by 4 to create the corresponding y -coordinate.
- C)** It is an additive pattern because each x -coordinate is increased by 1 to create the corresponding y -coordinate.
- D)** It is an additive pattern because each x -coordinate is increased by 4 to create the corresponding y -coordinate.

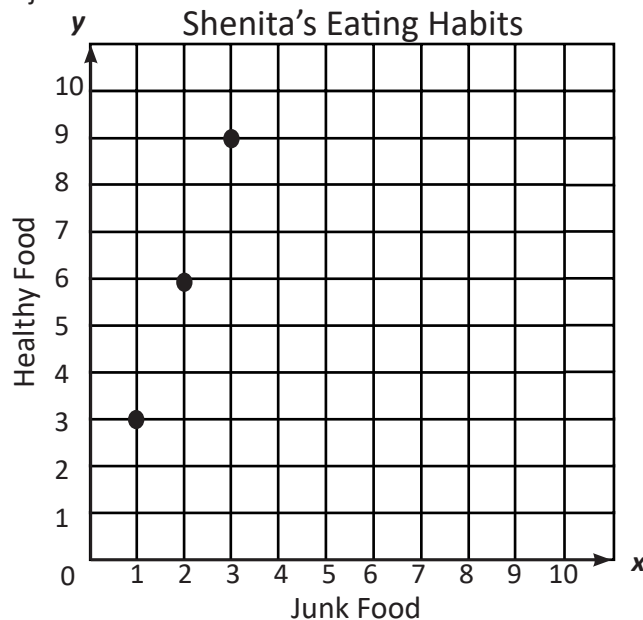
2. Trevor wants to complete the input-output table

x	y
7	15
9	17
11	19
13	21
21	
25	
30	

Which equation could Trevor use to complete the table?

- A)** $y = 8x$
- B)** $y = \frac{x}{8}$
- C)** $y = x + 8$
- D)** $y = x + \frac{1}{8}$

3. The points on the graph represent the number of times Shenita eats healthy food and the number of times she eats junk food each week.



Which equation represents the relationship between the number of times Shenita eats healthy food and the number of times she eats junk food?

- A)** $y = \frac{x}{3}$
- B)** $y = 3x$
- C)** $y = x + 3$
- D)** $y = x + \frac{1}{3}$

4. The table shows the numbers of pancakes that a restaurant serves in each order.

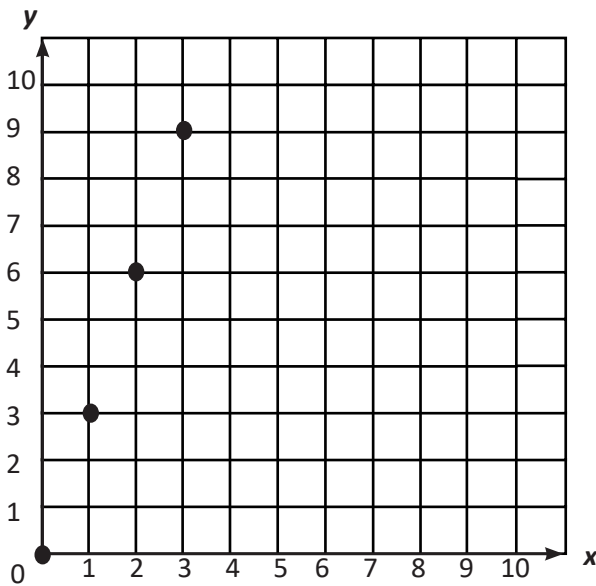
Orders of Pancakes (x)	Numbers of Pancakes (y)
2	4
5	10
7	14
11	22
15	30

Which equation represents the relationship between the orders of pancakes and numbers of pancakes?

- A)** $y = 2x$
- B)** $y = x + 4$
- C)** $y = x + 2$
- D)** $y = \frac{x}{2}$

- 5.OA.B.3:**
- Generate two numerical patterns, each using a given rule
 - Identify apparent relationships between corresponding terms by completing a function table or input/output table
 - Using the terms created, form and graph ordered pairs in the first quadrant of the coordinate plane

1. The points on the graph represent a numerical pattern.



Which statement about the pattern represented on the graph is true?

- A) It is an additive pattern because each y -coordinate has a higher value than the corresponding x -coordinate.
- B) It is an additive pattern because each x -coordinate is increased by 3 to create the corresponding y -coordinate.
- C) It is a multiplicative pattern because each x -coordinate is multiplied by 3 to create the corresponding y -coordinate.
- D) It is a multiplicative pattern because each x -coordinate is multiplied by 6 to create the corresponding y -coordinate.

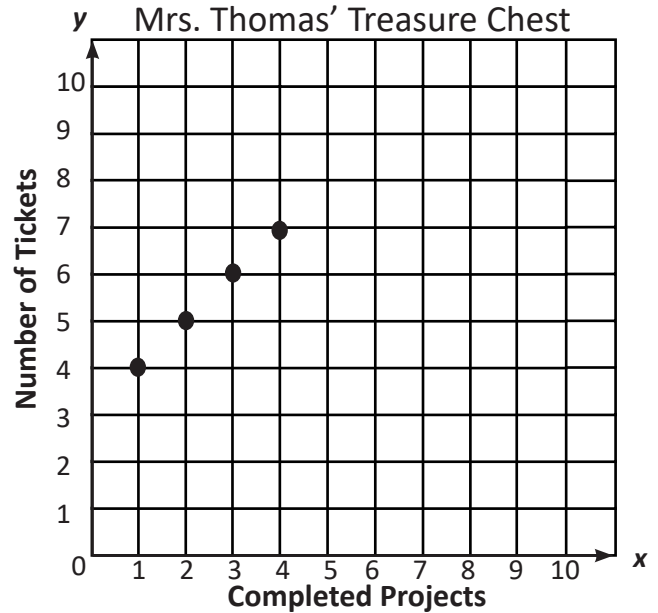
2. Malik wants to complete the input-output table.

x	y
5.5	11
8.5	17
13.5	27
16.5	33
23.5	
27.5	
31.5	

Which equation could Malik use to complete the table?

- A) $y = 2.5x$
- B) $y = 2x$
- C) $y = x + \frac{x}{5}$
- D) $y = x + 2.5$

3. Students in Mrs. Thomas' class receive tickets to her treasure chest for every group project they complete. The graph shows the relationship between x , the number of group projects complete and y , the number of tickets students receive.



Which equation represents the relationship between the number of projects students complete and the number of tickets they receive?

- A) $y = \frac{1}{4}x$
- B) $y = 3x$
- C) $y = x + 3$
- D) $y = x + \frac{x}{5}$

4. The table shows the numbers of cookies that Shauntae's Cookie Shop places in each bag of cookies they sell to customers.

Numbers of Bags (x)	Numbers of Cookies (y)
3	12
16	64
18	72
21	84
26	104

Which equation represents the relationship between the numbers of bags and the numbers of cookies?

- A) $y = 4x$
- B) $y = x + 4$
- C) $y = x + \frac{x}{4}$
- D) $y = \frac{1}{4}x$

5.OA.B.3: • Generate two numerical patterns, each using a given rule

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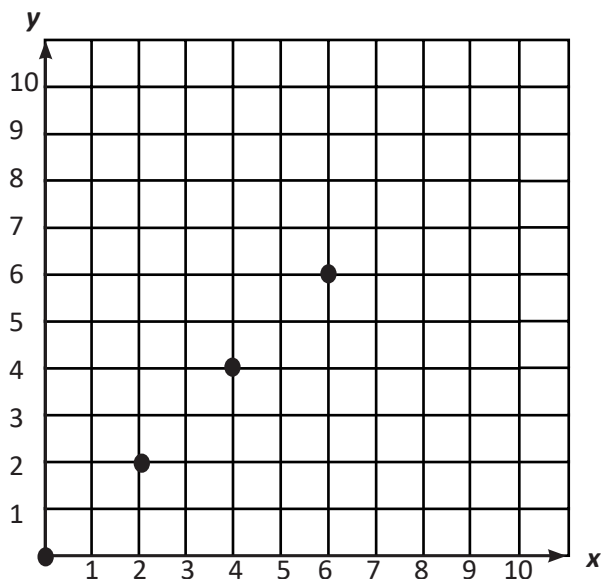
1. Terran wants to complete the input-output table

x	y
36	108
43	129
57	171
64	192
72	
84	
105	

Which equation could Terran use to complete the table?

- A) $y = \frac{1}{5}x$ B) $y = 4x$
 C) $y = x + 72$ D) $y = 3x$

2. The points on the graph represent a numerical pattern.



Which statement about the pattern represented on the graph is true?

- A) It is an additive pattern because each y -coordinate has a higher value than the corresponding x -coordinate.
 B) It is an additive pattern because each x -coordinate is increased by 2 to create the corresponding y -coordinate.
 C) It is a multiplicative pattern because each y -coordinate has a higher value than the corresponding x -coordinate.
 D) It is a multiplicative pattern because each x -coordinate is multiplied by 1 to create the corresponding y -coordinate.

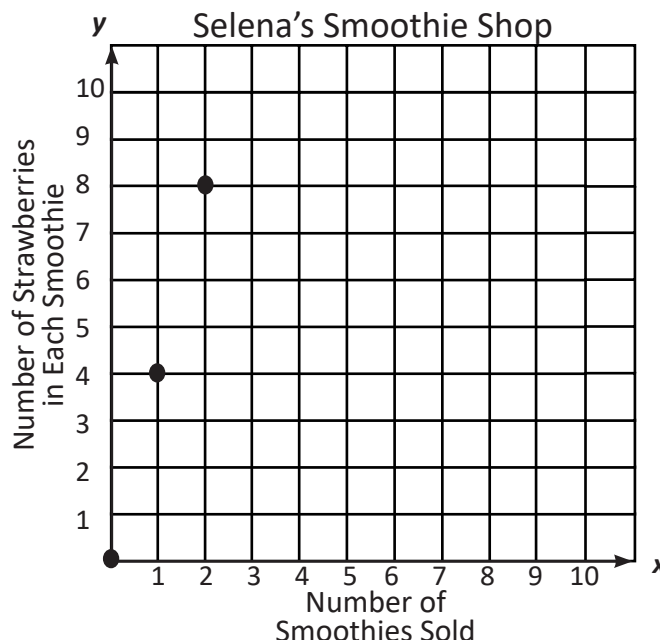
3. The table shows the numbers of pieces of catfish that Albert's Catfish & Chicken places in each catfish basket.

Numbers of Catfish Baskets (x)	Numbers of Pieces of Catfish (y)
4	16
9	36
13	52
18	72
21	84

Which equation represents the relationship between the numbers of catfish baskets and pieces of catfish?

- A) $y = 4x$ B) $y = x + 20$
 C) $y = 6x$ D) $y = \frac{1}{5}x$

4. Selena's Smoothie Shop puts strawberries in all of the smoothies sold. The graph shows the relationship between x , the number of smoothies sold, and y , the number of strawberries in different numbers of smoothies.



Which equation represents the relationship between the number of smoothies and the number of strawberries in each smoothie?

- A) $y = 2x$ B) $y = 4x$
 C) $y = x + 4$ D) $y = x + \frac{1}{4}$

5.OA.B.3: • Generate two numerical patterns, each using a given rule

- Identify apparent relationships between corresponding terms by completing a function table or input/output table
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1. The table shows the numbers of pounds of peaches a fruit stand places in different numbers of baskets.

Numbers of Peach Baskets (x)	Number of Pounds Peaches (y)
2	7
6	21
8	28
18	63
21	73.5

Which equation represents the relationship between the numbers of peach baskets and numbers of pounds of peaches?

- A) $y = 3.5x$ B) $y = x + 5$
 C) $y = 6x$ D) $y = \frac{1}{5}x$

2. Davon earns money by cutting his neighbors' yards as shown in the table.

Number of Dollars Earned (x)	Number of Yards Cut (y)
45	3
75	5
120	8
165	11
195	13

Which equation represents the relationship shown in the table?

- A) $y = 5x$ B) $y = \frac{x}{15}$
 C) $y = x + 42$ D) $y = x + 15$

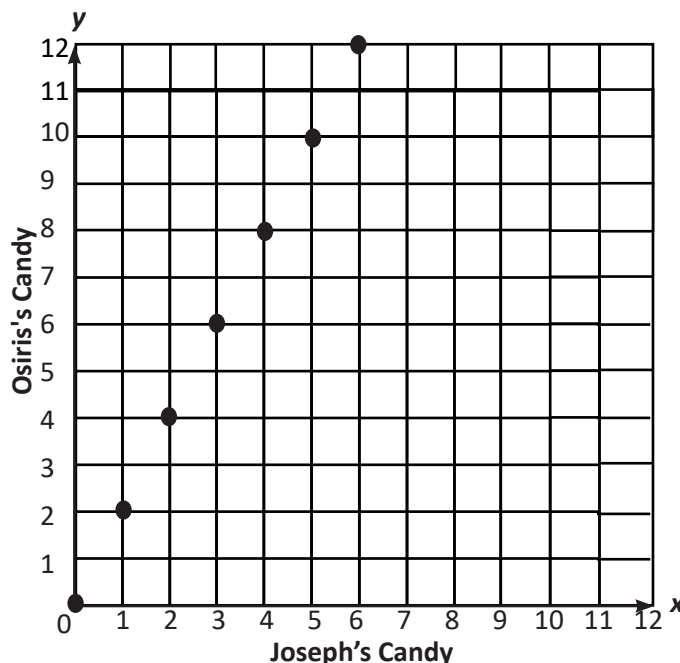
3. The relationship between Devante's and Alex's ages is shown on the table.

Devante's Age (x)	Alex's Age (y)
8	13
11	16
13	18
15	19

What is the relationship between Devante's and Alex's age?

- A) $y = 3x$ B) $y = 5x$
 C) $y = x + 5$ D) $y = x + 3$

4. The table represents the number of pieces of candy Joseph and Osiris bought at the candy store.

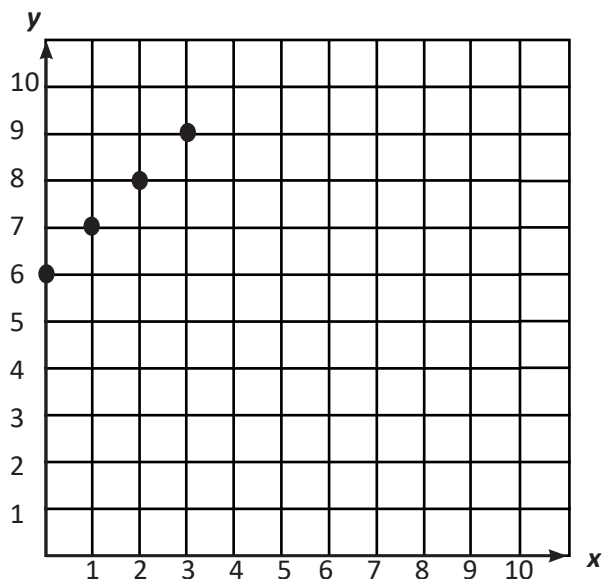


Based on the graph, which of the following statements is true?

- A) Osiris had 2 more pieces of candy than Joseph.
 B) Joseph had 2 more pieces of candy than Osiris.
 C) Osiris had 2 times more candy than Joseph.
 D) Joseph had 2 times more candy than Osiris.

- 5.OA.B.3:**
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1. The points on the graph represent a numerical pattern.



Which statement about the pattern represented on the graph is true?

- A)** It is a multiplicative pattern because each y -coordinate has a higher value than the corresponding x -coordinate.
- B)** It is a multiplicative pattern because each x -coordinate is multiplied by 2 to create the corresponding y -coordinate.
- C)** It is an additive pattern because each x -coordinate is increased by 6 to create the corresponding y -coordinate.
- D)** It is an additive pattern because each x -coordinate is increased by 1 to create the corresponding y -coordinate.

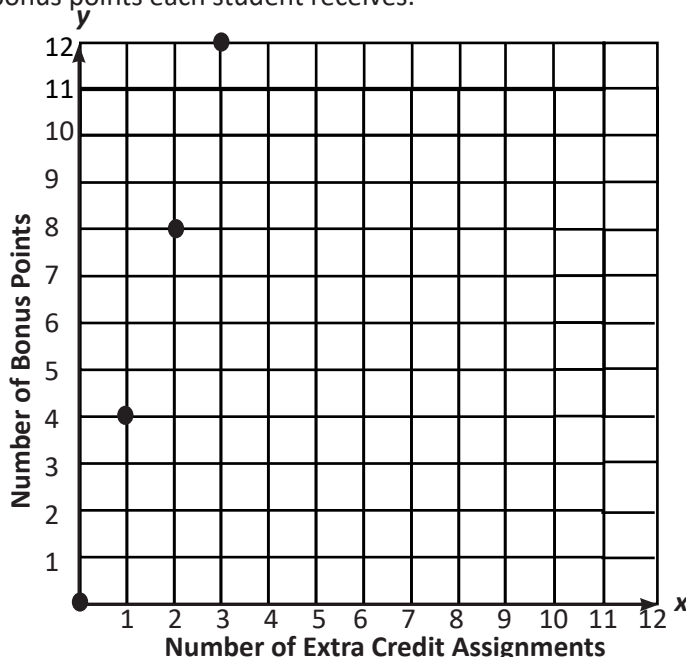
2. Brian wants to complete the input-output table.

x	y
3.3	9.9
6.3	18.9
9.3	27.9
13.3	39.9
15.3	
20.3	
25.3	

Which equation could Brian use to complete the table?

- A)** $y = 3.3x$
- B)** $y = 3x$
- C)** $y = x + 6$
- D)** $y = x + 3$

3. Students in Mr. Jackson’s class receive bonus points for extra credit assignments they complete. The graph shows the relationship between x , the number of extra credit assignments each student completes, and y , the number of bonus points each student receives.



Which equation represents the relationship between the number of assignments students complete and the number of bonus points they receive?

- A)** $y = x + 3$
- B)** $y = 2x$
- C)** $y = x + 4$
- D)** $y = 4x$

4. The table shows the numbers of minutes Pedro works out each time he visits the gym.

Numbers of Visits (x)	Number of Minutes (y)
2	90
5	225
7	315
11	495
14	630

Which equation represents the relationship between the numbers of visits and the numbers of minutes?

- A)** $y = x + 88$
- B)** $y = 88x$
- C)** $y = 2x$
- D)** $y = 45x$