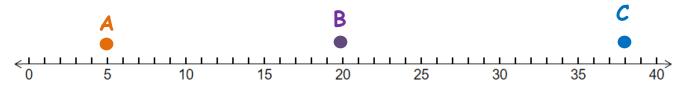
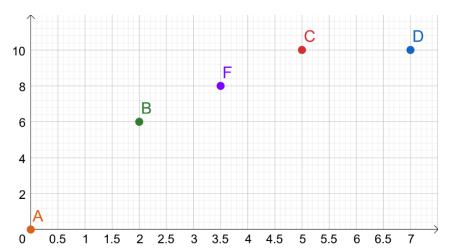
Assignment Math 5

Part A: Use the graphs shown below to answer the corresponding questions.



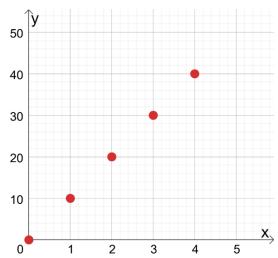
- 1. What is the value of A?
- 2. What coordinate is 20 units away from the origin?
- 3. If point E is 15 units from the origin, will it be closer to A or B?



- 4. What are the coordinates of:
 - a. A =
- b. B =
- c. C =
- d. D =
- 5. If we multiply the the coordinates of F by 2, what would be the value of the new ordered pair?

Assignment Math 5

Part B: Observe the pattern on each coordinate plane and answer the questions that follow.



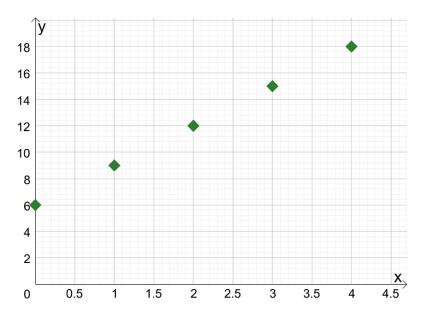
1. Find the coordinates of the ordered pairs shown and complete this

table below.

×	У
0	
1	
2	
3	
4	

- 2. What is number rule for x and y?
- 3. If x = 5, what would the value of y be?
- 4. If y = 1000, what would the value of x be?

Assignment Math 5



1. Find the value of the ordered pairs shown below.

2. Construct a table for these values and find the number pattern for the ordered pairs.

Name:	Period:	Date:	
		= # 101	

Assignment Math 5

- 3. If x = 10, what would the value of y be?
- 4. Think of a situation in real life that can be represented by these values.

Part C: Use your knowledge in patterns and coordinate planes to answer the problems below.

Cindy plans to purchase a new laptop by the end of the year so she started saving \$12 on the first week and plans to increase that as the week goes by as shown below.

Week	Amount Saved
Week 1	\$12
Week 2	\$15
Week 3	\$18
Week 4	\$21
Week 5	\$24

1. Let x be the week number and y be the amount saved that week. Write the table as a set of five ordered pairs.

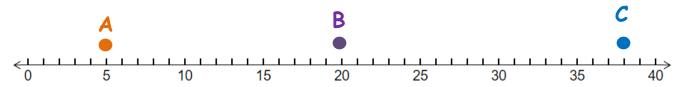
Assignment Math 5

2. Construct a coordinate plane showing Cindy's progress for the past four weeks.

3. How much will she save in Week 6?

Assignment Math 5

Part A: Use the graphs shown below to answer the corresponding questions.

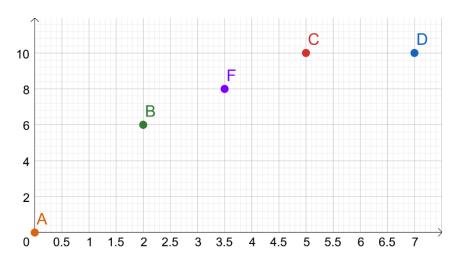


1. What is the value of A?

2. What coordinate is 20 units away from the origin?

At coordinate = 20, that would be B.

3. If point E is 15 units from the origin, will it be closer to A or B? B



4. What are the coordinates of:

a.
$$A = (0,0)$$

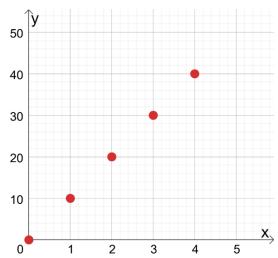
a.
$$A = (0,0)$$
 b. $B = (2,6)$ c. $C = (5,10)$ d. $D = (7,10)$

5. If we multiply the the coordinates of F by 2, what would be the value

of the new ordered pair?
$$(2 \times 3.5, 2 \times 8) = (7, 16)$$

Assignment Math 5

Part B: Observe the pattern on each coordinate plane and answer the questions that follow.



1. Find the coordinates of the ordered pairs shown and complete this

table below.

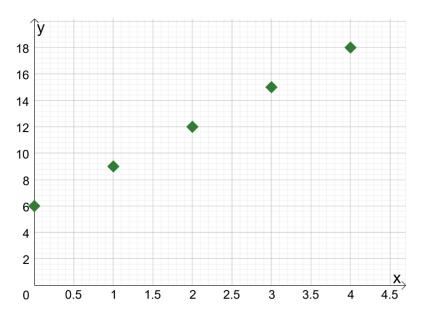
×	У
0	0
1	<mark>10</mark>
2	<mark>20</mark>
3	<mark>30</mark>
4	<mark>40</mark>

2. What is number rule for x and y?

3. If x = 5, what would the value of y be?

4. If y = 1000, what would the value of x be? $x = 1000 \div 50 = \frac{20}{1000}$

Assignment Math 5



1. Find the value of the ordered pairs shown below.

Ordered pairs: (0, 6), (1, 9), (2, 12)

(3, 15), (4, 18)

2. Construct a table for these values and find the number pattern for

the ordered pairs.

×	У
0	6
1	9
2	<mark>12</mark>
3	<mark>15</mark>
4	<mark>18</mark>

Assignment Math 5

3. If x = 10, what would the value of y be?

$$Y = 3(10) + 6 = 36$$

4. Think of a situation in real life that can be represented by these values.

X can be the number of weeks and y can be the height of the plant.

Part C: Use your knowledge in patterns and coordinate planes to answer the problems below.

Cindy plans to purchase a new laptop by the end of the year so she started saving \$12 on the first week and plans to increase that as the week goes by as shown below.

Week	Amount Saved
Week 1	\$12
Week 2	\$15
Week 3	\$18
Week 4	\$21
Week 5	\$24

1. Let x be the week number and y be the amount saved that week. Write the table as a set of five ordered pairs.

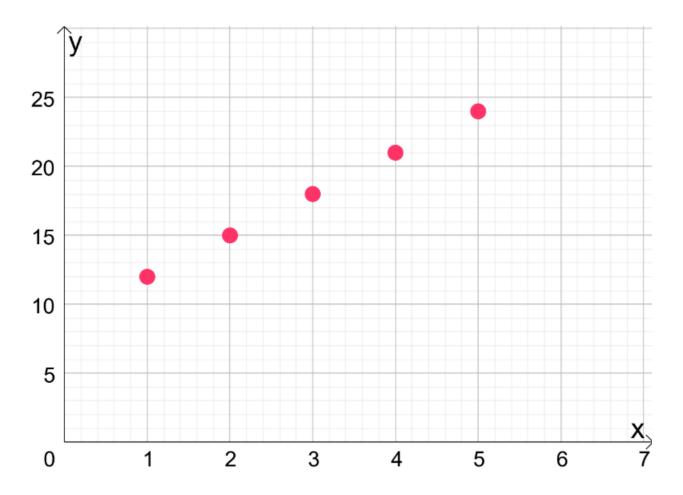
Ordered Pairs:

(1, 12), (2, 15), (3, 18)

(4, 21), (5, 24)

Assignment Math 5

2. Construct a coordinate plane showing Cindy's progress for the past four weeks.



3. How much will she save in Week 6?

Week
$$6 = 24 + 3 = $27$$