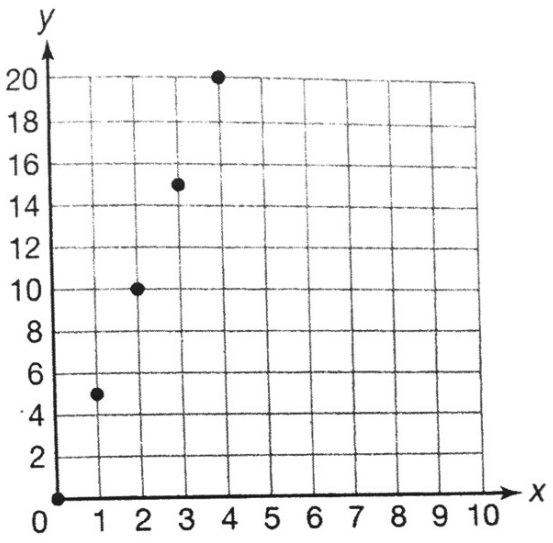
Lesson Practice

Choose the correct answer.

Use the patterns for questions 1–4.

x-coordinates: 0, 1, 2, 3, 4

y-coordinates: 0, 5, 10, 15, 20



1. Which pattern rule could be used to create the x-coordinates?

   A. add 0

   B. add 1

   C. add 2

   D. add 3

2. Which pattern rule could be used to create the y-coordinates?

   A. add 1

   B. add 2

   C. add 4

   D. add 5

3. Which shows the ordered pairs of corresponding terms of the patterns?

   A. (0, 0), (1, 0), (2, 0), (3, 0), (4, 0)

   B. (0, 0), (1, 2), (2, 3), (3, 4), (4, 5)

   C. (0, 0), (1, 5), (2, 10), (3, 15), (4, 20)

   D. (0, 0), (5, 1), (10, 2), (15, 3), (20, 4)

4. Which best describes how the corresponding terms are related?

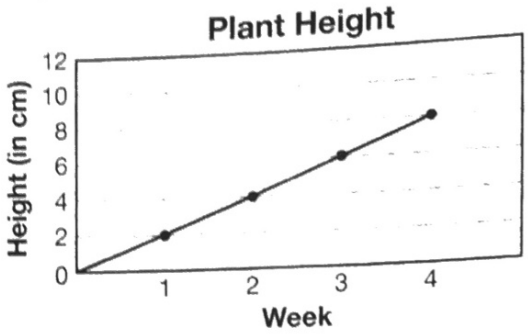
   A. The value of the y-coordinate is 2 times the value of the corresponding x-coordinate.

   B. The value of the y-coordinates is 3 times the value of the corresponding x-coordinate.

   C. The value of the y-coordinates is 4 times the value of the corresponding x-coordinate.

   D. The value of the y-coordinates is 5 times the value of the corresponding x-coordinate.

5. Which table matches the pattern in the graph?



A.

Plant Height				
Week	1	2	3	4
Height (cm)	1	2	3	4

B.

Plant Height				
Week	1	2	3	4
Height (cm)	2	4	6	8

C.

Plant Height				
Week	2	4	6	8
Height (cm)	1	2	3	4

D.

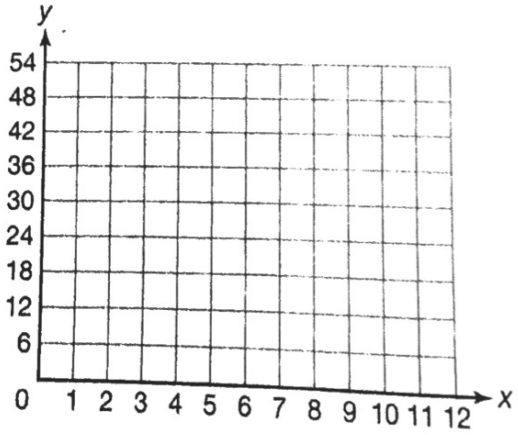
Plant Height				
Week	1	2	3	4
Height (cm)	4	8	12	16

6. Jerry wrote the two patterns below.

x-coordinates: 0, 3, 6, 9, 12

y-coordinates: 0, 12, 24, 36, 48

A. Write ordered pairs using the corresponding terms from each pattern. Then graph the ordered pairs.



B. Explain how the corresponding terms in the patterns are related.