Test, Form 3A

Write the correct answer in the blank at the right of each question.

1. Which of the numbers 4, 5, or 6 is a solution of $x + 5 > 10$?

    1. _____

2. **PRIZES** Derick bought 6 party prizes that cost $4, $5, and $7. He spent a total of $37. Find the number of prizes of each amount that Derick purchased.

    2. _____

For Exercises 3–5, find the rule for each function table.

3.

Input (x)	Output
0	0
2	6
5	15

4.

Input (x)	Output
4	1
12	3
20	5

5.

Input (x)	Output
0	3
1	5
2	7
3	9

3. _____

4. _____

5. _____

For Exercises 6 and 7, graph each inequality.

6. $n > 14$

6. |—+——+——+——+——+—|
        12   13   14   15   16

7. $s \leq 8$

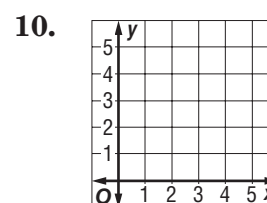7. |—+——+——+——+——+—|
         6   7   8   9   10
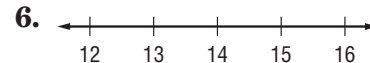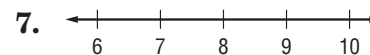
8. Solve $20 > m - 21$.

    8. _____

9. **AIRFARE** Riaz wants to spend no more than $1,250 on his trip. The airfare is $439. Write an inequality to show how much Riaz can spend on other things.

    9. _____

10. Graph and label the point $A(2, 3)$ on the coordinate plane.

    10.

    (coordinate grid with y-axis labeled 1–5 and x-axis labeled 1–5, origin O)

Course 1 • Functions, Inequalities, and Integers

Use the table below for Exercises 11–13.

Position	1	2	3	4	n
Value of Term	9	18	27	36	▪

11. Use words to describe the value of each term as a function of its position.

11. _____

12. Use symbols to describe the value of each term as a function of its position.

12. _____

13. Find the value of the sixteenth term in the sequence.

13. _____

For Exercises 14–15, write an equation to represent the function displayed in each table.
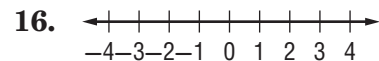
14.

Input, x	1	2	3	4	5
Output, y	5	10	15	20	25

14. _____

15.

Input, x	0	1	2	3	4
Output, y	0	7	14	21	28

15. _____

16. Graph the set {–4, –3, 1} on the number line.

16.
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  -4-3-2-1 0 1 2 3 4
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17. **FISH** The locations of three fish relative to the water's surface are –18 feet, –31 feet, and –26 feet. Which distance has the least absolute value?

17. _____

Evaluate.

18. $|12| + |-63|$

18. _____

19. $|-8| + |-2|$

19. _____

20. $|-4| - |-1|$

20. _____

21. $|3| - |-2|$

21. _____