Mr. Powder Assessment Review 5 Math 7R Name: _____

Read each question. Then fill in the correct answer on the answer document provided by your teacher or on a sheet of paper.

1. What is (3x-2) - (4x+1) in simplest form?

A.
$$x - 3$$

B. $-x - 3$
C. $-x + 1$
D. $x + 1$

2. Roberto is training for the cross country team. The table shows the number of minutes he ran the first five days.

Day	Number of Minutes
Day 1	30
Day 2	30
Day 3	40
Day 4	40
Day 5	50

If the pattern continues, which of the following shows the number of minutes he will run the next three days?

F. 50, 50, 60	H. 60, 60, 70
G. 50, 60, 60	I. 60, 70, 80

3. What is The value of the expression below if x = 6 and y = 4?

(x + y) + 5

4. Which of the following describes the relationship between the value of a term and *n*, its position in the sequence?

Position	1	2	3	4	5	n	
Value of Term	3	6	9	12	15		
A. Add 2 to <i>n</i> .			B. Divide <i>n</i> by 3.				
C. Multiply <i>n</i> by 3.			D. Subtract <i>n</i> from 2.				

- 5. Parker baked 80 cookies for a bake sale. At the sale, 70% of his cookies sold. How many of Parker's cookies were sold?
- 6. Which fraction is between $\frac{1}{2}$ and $\frac{3}{4}$?

F.
$$\frac{1}{4}$$
H. $\frac{3}{5}$

G. $\frac{1}{3}$
I. $\frac{7}{8}$

7. What is the first step in evaluating the expression $3 \times (5+4) - 27 \div 9$?

A. multiplying 3 and 5	C. subtracting 27
B. adding 5 and 4	D. dividing 27 and 9

8. A square–shaped bulletin board is shown. If a teacher covers 35% of the board with papers, how many square feet will not be covered?



9. What is the perimeter of the square garden?



F. 5 feet G. 20 feet H. 22 feet I. 30.25 feet

10. Sachi collects stamps. Each year, the number of stamps in her collection is ten times *n*, the number's position in the sequence. Which sequence represents Sachi's number of stamps?

A. 1, 11, 21, 31	C. 10, 11, 12, 13
B. 1, 10, 100, 1,000	D. 10, 20, 30, 40

11. What is the GCF of $45x_2 y$ and $9x^3$?

F.	9	H. $9x^{2}$
G.	9 <i>x</i>	I. $3x^2$

12. Lemisha drove an average of 50 miles per hour on Sunday, 55 miles per hour on Monday, and 53 miles per hour on Tuesday. Let *s* represent the number of hours she drove on Sunday, *m* represent the number of hours she drove on Monday, and *t* represent the number of hours she drove on Tuesday. Write an expression that represents the total distance Lemisha drove.

13. Which of the following expressions can be written as 5(3 + x)?

A. $x \bullet 5 + x \bullet 3$	B. $5 \cdot 3 + 5 \cdot x$
C. $5 \cdot 3 + x$	D. $3 + 5 \cdot x$

- 14. Use the Distributive Property to rewrite 4(12) + 4(8). Then evaluate the expression.
- 15. Which statement below is an example of the Associative Property of Addition?

F. $7 + (3 + 5) = 7 + (5 + 3)$	G. $9 + (11 + 6) = (9 + 11) + 6$
H. $3(6+5) = 3 \cdot 6 + 3 \cdot 5$	I. $12(8+4) = 12(8) + 12(4)$

16. The first and fifth terms of a sequence are shown.



Part A What might the third term look like?

Part B Describe the relationship between the term number and the sequence.

Part C Write a rule that connects the term number and the number of toothpicks in the sequence.