## 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 $(3 x-2)-(4 x+1)$ 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 <br> 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?

$$
\begin{array}{ll}
\text { F. } 50,50,60 & \text { H. } 60,60,70 \\
\text { G. } 50,60,60 & \text { I. } 60,70,80
\end{array}
$$

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 $n$.
B. Divide $n$ by 3 .
C. Multiply $n$ by 3 .
D. Subtract $n$ 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. $\frac{1}{4}$
G. $\frac{1}{3}$
H. $\frac{3}{5}$
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
H. 22 feet
G. 20 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. $1,11,21,31$
B. $1,10,100,1,000$
C. $10,11,12,13$
D. $10,20,30,40$
11. What is the GCF of $45 x_{2} y$ and $9 x^{3}$ ?
F. 9
G. $9 x$
H. $9 x^{2}$
I. $3 x^{2}$
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. $x \cdot 5+x \cdot 3$
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.


Term 1


Term 5

Part A What might the third term look like?

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

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

