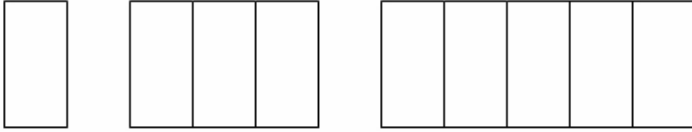


Name: _____

Date: _____

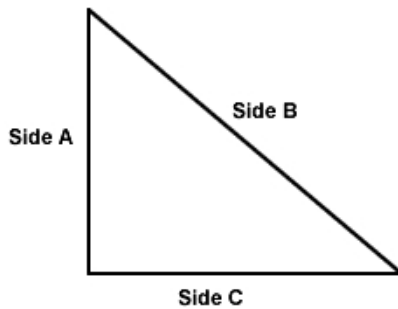
1.



If the pattern shown continues, how many sections will be in the next shape?

- A. 13
- B. 11
- C. 9
- D. 7

2.



Which statement BEST describes the perimeter of this triangle?

- A. perimeter = Side A x Side B x Side C
- B. perimeter = Side A + Side B + Side C
- C. perimeter = Side A + Side C
- D. perimeter = Side B + Side C

3.

If the pattern continues, which number will likely be next?

44, 46, 50, 56,...

- A. 58
- B. 60
- C. 64
- D. 68

4.

Ann planted 4 roses in a row. She planted 5 roses in the second row, in the third row she planted 8 roses and in the fourth row she planted 9 roses. How many roses will Ann plant in the fifth row if this sequence continues?

- A. 10 roses
 - B. 11 roses
 - C. 12 roses
 - D. 13 roses
-

5.

Which is the next number in the sequence?

2, 4, 7, 11,...

- A. 15
 - B. 16
 - C. 17
 - D. 18
-

6.

Steven made up a pattern.

1, 3, 7, 15, 31

What is the rule for Steven's pattern?

- A. Add the number to itself.
 - B. Add the number, then multiply by two.
 - C. Multiply the number by two, then add one.
 - D. Multiply the number by itself, then add two.
-

7.

What number when placed in the \square makes this number sentence true?

$$587 - \square = 533$$

- A. 55
 - B. 54
 - C. 46
 - D. 45
-

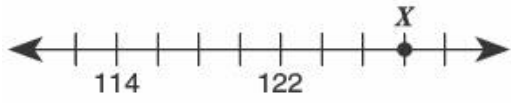
8.

$$1,784 + 1,784 - \square = 1,587$$

What number when placed in the \square makes this number sentence correct?

- A. 2,031
- B. 2,021
- C. 1,991
- D. 1,981

9. Which *best describes* the location of point X on the number line shown below?



- A. 134
- B. 131
- C. 128
- D. 125

*Permission has been granted for reproduction by the Virginia Department of Education
© Virginia Department of Education*

Answer Key

1. D) 7
2. B) perimeter = Side A + Side B + Side C
3. C) 64
4. C) 12 roses
5. B) 16
6. C) Multiply the number by two, then add one.
7. B) 54
8. D) 1,981
9. C) 128