Patterns & Algebra

Name:	Date:	

1. What is the missing number from the pattern?.

6, 12, 18, ____, 30, 36

- O 29
- O 20
- O 19
- O 24

2. Enter the missing number to make the number sentence true.

3 x 8 = x 6

3. = 5

=?

+ = 16

What is the value of the circle?

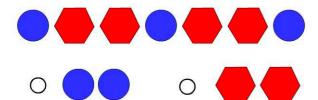
- 0 8
- O 10
- \bigcirc 9
- O 11

4. $6 \times \triangle = 42$

What is the value of the triangle?

- O 7
- O 36
- 0 6
- O 48

5. What are the next two shapes in the pattern?







6. Each number in a pattern is half the previous number? If the first number in the pattern is 100, what is the third number?

- O 12.5
- **50**
- O 25
- O 200

7. What is the next number in this pattern?

0.5, 1, 1.5, 2, ____

- O 2.5
- \bigcirc 3
- \bigcirc 2.0
- O 3.5

8. Which number sentence is not true?

- \bigcirc 6 x 6 = 4 x 9
- $0.8+6=2\times7$
- $\bigcirc 5 \times 9 = 9 \times 5$
- \bigcirc 5 x 5 = 4 x 6

9. Fill in the missing number.

12, 15, 19, 30, 37.

10. What is the eighth number in this pattern?

6, 12, 18, 24, 30, ____, ____, ***

is the eighth number in the pattern.