



# Finding Next Number in Pattern

Name: \_\_\_\_\_

**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

$$51, 44, 37, 30, 23, 16, 9, \underline{\quad} \text{ Rule: Subtract 7}$$

**1)** Find the next number in the pattern.

$$4, 20, 100, 500, \underline{\quad}$$

**2)** Find the next number in the pattern.

$$8, 24, 72, 216, \underline{\quad}$$

**3)** Find the next number in the pattern.

$$28, 25, 22, 19, 16, 13, \underline{\quad}$$

**4)** Find the next number in the pattern.

$$216, 72, 24, \underline{\quad}$$

**5)** Find the next number in the pattern.

$$4, 13, 22, 31, 40, 49, 58, \underline{\quad}$$

**6)** Find the next number in the pattern.

$$4, 9, 14, 19, 24, 29, \underline{\quad}$$

**7)** Find the next number in the pattern.

$$5, 14, 23, 32, 41, \underline{\quad}$$

**8)** Find the next number in the pattern.

$$189, 63, 21, \underline{\quad}$$

**9)** Find the next number in the pattern.

$$405, 135, 45, 15, \underline{\quad}$$

**10)** Find the next number in the pattern.

$$5, 10, 20, 40, \underline{\quad}$$

**11)** Find the next number in the pattern.

$$25, 21, 17, 13, \underline{\quad}$$

**12)** Find the next number in the pattern.

$$5, 25, 125, 625, \underline{\quad}$$

**13)** Find the next number in the pattern.

$$576, 144, 36, \underline{\quad}$$

**14)** Find the next number in the pattern.

$$9, 19, 29, 39, 49, \underline{\quad}$$

**15)** Find the next number in the pattern.

$$59, 51, 43, 35, 27, 19, 11, \underline{\quad}$$

## Answers

Ex. 2

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_

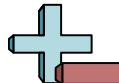
11. \_\_\_\_\_

12. \_\_\_\_\_

13. \_\_\_\_\_

14. \_\_\_\_\_

15. \_\_\_\_\_



# Finding Next Number in Pattern

Name: **Answer Key**

**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

$$51, 44, 37, 30, 23, 16, 9, \underline{2} \quad \text{Rule: Subtract 7}$$

**1)** Find the next number in the pattern.

$$4, 20, 100, 500, \underline{2,500} \quad \text{Rule: Multiply 5}$$

**2)** Find the next number in the pattern.

$$8, 24, 72, 216, \underline{648} \quad \text{Rule: Multiply 3}$$

**3)** Find the next number in the pattern.

$$28, 25, 22, 19, 16, 13, \underline{10} \quad \text{Rule: Subtract 3}$$

**4)** Find the next number in the pattern.

$$216, 72, 24, \underline{8} \quad \text{Rule: Divide 3}$$

**5)** Find the next number in the pattern.

$$4, 13, 22, 31, 40, 49, 58, \underline{67} \quad \text{Rule: Add 9}$$

**6)** Find the next number in the pattern.

$$4, 9, 14, 19, 24, 29, \underline{34} \quad \text{Rule: Add 5}$$

**7)** Find the next number in the pattern.

$$5, 14, 23, 32, 41, \underline{50} \quad \text{Rule: Add 9}$$

**8)** Find the next number in the pattern.

$$189, 63, 21, \underline{7} \quad \text{Rule: Divide 3}$$

**9)** Find the next number in the pattern.

$$405, 135, 45, 15, \underline{5} \quad \text{Rule: Divide 3}$$

**10)** Find the next number in the pattern.

$$5, 10, 20, 40, \underline{80} \quad \text{Rule: Multiply 2}$$

**11)** Find the next number in the pattern.

$$25, 21, 17, 13, \underline{9} \quad \text{Rule: Subtract 4}$$

**12)** Find the next number in the pattern.

$$5, 25, 125, 625, \underline{3,125} \quad \text{Rule: Multiply 5}$$

**13)** Find the next number in the pattern.

$$576, 144, 36, \underline{9} \quad \text{Rule: Divide 4}$$

**14)** Find the next number in the pattern.

$$9, 19, 29, 39, 49, \underline{59} \quad \text{Rule: Add 10}$$

**15)** Find the next number in the pattern.

$$59, 51, 43, 35, 27, 19, 11, \underline{3} \quad \text{Rule: Subtract 8}$$

## Answers

Ex. **2**

1. **2,500**

2. **648**

3. **10**

4. **8**

5. **67**

6. **34**

7. **50**

8. **7**

9. **5**

10. **80**

11. **9**

12. **3,125**

13. **9**

14. **59**

15. **3**

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					