

# Finding Next Number in Pattern

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

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

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

$$1, 10, 19, 28, 37, 46, 55, \underline{64} \quad \text{Rule: Add 9}$$

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

$$375, 75, 15, \underline{\hspace{2cm}}$$

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

$$3, 9, 27, 81, \underline{\hspace{2cm}}$$

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

$$26, 22, 18, 14, 10, \underline{\hspace{2cm}}$$

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

$$28, 23, 18, 13, \underline{\hspace{2cm}}$$

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

$$8, 24, 72, 216, \underline{\hspace{2cm}}$$

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

$$9, 19, 29, 39, 49, \underline{\hspace{2cm}}$$

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

$$1, 7, 13, 19, 25, 31, 37, \underline{\hspace{2cm}}$$

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

$$7, 28, 112, \underline{\hspace{2cm}}$$

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

$$625, 125, 25, \underline{\hspace{2cm}}$$

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

$$25, 22, 19, 16, 13, 10, \underline{\hspace{2cm}}$$

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

$$189, 63, 21, \underline{\hspace{2cm}}$$

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

$$8, 16, 32, 64, \underline{\hspace{2cm}}$$

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

$$7, 9, 11, 13, 15, 17, \underline{\hspace{2cm}}$$

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

$$256, 64, 16, \underline{\hspace{2cm}}$$

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

$$63, 53, 43, 33, 23, 13, \underline{\hspace{2cm}}$$

## Answers

Ex. **64**

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

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

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

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

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

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

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

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

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

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

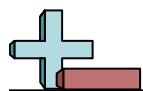
11. \_\_\_\_\_

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

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

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

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



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

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

$$1, 10, 19, 28, 37, 46, 55, \underline{64} \quad \text{Rule: Add 9}$$

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

$$375, 75, 15, \underline{3} \quad \text{Rule: Divide 5}$$

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

$$3, 9, 27, 81, \underline{243} \quad \text{Rule: Multiply 3}$$

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

$$26, 22, 18, 14, 10, \underline{6} \quad \text{Rule: Subtract 4}$$

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

$$28, 23, 18, 13, \underline{8} \quad \text{Rule: Subtract 5}$$

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

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

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

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

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

$$1, 7, 13, 19, 25, 31, 37, \underline{43} \quad \text{Rule: Add 6}$$

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

$$7, 28, 112, \underline{448} \quad \text{Rule: Multiply 4}$$

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

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

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

$$25, 22, 19, 16, 13, 10, \underline{7} \quad \text{Rule: Subtract 3}$$

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

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

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

$$8, 16, 32, 64, \underline{128} \quad \text{Rule: Multiply 2}$$

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

$$7, 9, 11, 13, 15, 17, \underline{19} \quad \text{Rule: Add 2}$$

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

$$256, 64, 16, \underline{4} \quad \text{Rule: Divide 4}$$

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

$$63, 53, 43, 33, 23, 13, \underline{3} \quad \text{Rule: Subtract 10}$$

## Answers

Ex. **64**

1. **3**

2. **243**

3. **6**

4. **8**

5. **648**

6. **59**

7. **43**

8. **448**

9. **5**

10. **7**

11. **7**

12. **128**

13. **19**

14. **4**

15. **3**