



# Finding Next Number in Pattern

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

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

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

$$192, 48, 12, \underline{\quad} \text{ Rule: Divide 4}$$

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

$$9, 18, 27, 36, \underline{\quad}$$

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

$$39, 34, 29, 24, 19, 14, 9, \underline{\quad}$$

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

$$17, 15, 13, 11, 9, \underline{\quad}$$

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

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

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

$$1, 11, 21, 31, 41, 51, 61, \underline{\quad}$$

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

$$6, 18, 54, \underline{\quad}$$

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

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

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

$$9, 45, 225, \underline{\quad}$$

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

$$512, 128, 32, \underline{\quad}$$

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

$$96, 48, 24, 12, \underline{\quad}$$

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

$$54, 18, 6, \underline{\quad}$$

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

$$4, 12, 20, 28, 36, 44, \underline{\quad}$$

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

$$1, 3, 5, 7, 9, \underline{\quad}$$

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

$$6, 30, 150, \underline{\quad}$$

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

$$20, 17, 14, 11, 8, \underline{\quad}$$

## Answers

Ex. 3

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.

$$192, 48, 12, \underline{3} \quad \text{Rule: Divide 4}$$

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

$$9, 18, 27, 36, \underline{45} \quad \text{Rule: Add 9}$$

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

$$39, 34, 29, 24, 19, 14, 9, \underline{4} \quad \text{Rule: Subtract 5}$$

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

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

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

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

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

$$1, 11, 21, 31, 41, 51, 61, \underline{71} \quad \text{Rule: Add 10}$$

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

$$6, 18, 54, \underline{162} \quad \text{Rule: Multiply 3}$$

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

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

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

$$9, 45, 225, \underline{1,125} \quad \text{Rule: Multiply 5}$$

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

$$512, 128, 32, \underline{8} \quad \text{Rule: Divide 4}$$

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

$$96, 48, 24, 12, \underline{6} \quad \text{Rule: Divide 2}$$

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

$$54, 18, 6, \underline{2} \quad \text{Rule: Divide 3}$$

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

$$4, 12, 20, 28, 36, 44, \underline{52} \quad \text{Rule: Add 8}$$

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

$$1, 3, 5, 7, 9, \underline{11} \quad \text{Rule: Add 2}$$

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

$$6, 30, 150, \underline{750} \quad \text{Rule: Multiply 5}$$

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

$$20, 17, 14, 11, 8, \underline{5} \quad \text{Rule: Subtract 3}$$

## Answers

Ex. 3

1. 45

2. 4

3. 7

4. 216

5. 71

6. 162

7. 4

8. 1,125

9. 8

10. 6

11. 2

12. 52

13. 11

14. 750

15. 5