

# Finding Next Number in Pattern

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

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

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

$$32, 27, 22, 17, 12, 7, \underline{\quad} \quad \text{Rule: Subtract 5}$$

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

$$3, 6, 12, \underline{\quad}$$

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

$$52, 45, 38, 31, 24, 17, 10, \underline{\quad}$$

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

$$2, 6, 18, \underline{\quad}$$

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

$$7, 15, 23, 31, \underline{\quad}$$

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

$$72, 36, 18, \underline{\quad}$$

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

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

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

$$192, 48, 12, \underline{\quad}$$

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

$$6, 12, 24, 48, \underline{\quad}$$

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

$$37, 28, 19, 10, \underline{\quad}$$

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

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

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

$$7, 14, 28, \underline{\quad}$$

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

$$1, 7, 13, 19, 25, \underline{\quad}$$

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

$$56, 47, 38, 29, 20, 11, \underline{\quad}$$

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

$$10, 18, 26, 34, 42, 50, \underline{\quad}$$

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

$$1125, 225, 45, \underline{\quad}$$

## Answers

Ex. 2

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

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

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

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

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

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

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

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

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

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

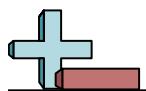
11. \_\_\_\_\_

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.

$$32, 27, 22, 17, 12, 7, \underline{2} \quad \text{Rule: Subtract 5}$$

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

$$3, 6, 12, \underline{24} \quad \text{Rule: Multiply 2}$$

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

$$52, 45, 38, 31, 24, 17, 10, \underline{3} \quad \text{Rule: Subtract 7}$$

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

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

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

$$7, 15, 23, 31, \underline{39} \quad \text{Rule: Add 8}$$

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

$$72, 36, 18, \underline{9} \quad \text{Rule: Divide 2}$$

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

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

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

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

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

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

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

$$37, 28, 19, 10, \underline{1} \quad \text{Rule: Subtract 9}$$

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

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

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

$$7, 14, 28, \underline{56} \quad \text{Rule: Multiply 2}$$

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

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

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

$$56, 47, 38, 29, 20, 11, \underline{2} \quad \text{Rule: Subtract 9}$$

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

$$10, 18, 26, 34, 42, 50, \underline{58} \quad \text{Rule: Add 8}$$

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

$$1125, 225, 45, \underline{9} \quad \text{Rule: Divide 5}$$

## Answers

Ex. **2**

1. **24**

2. **3**

3. **54**

4. **39**

5. **9**

6. **6**

7. **3**

8. **96**

9. **1**

10. **29**

11. **56**

12. **31**

13. **2**

14. **58**

15. **9**