



# Finding Next Number in Pattern

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

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

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

64 , 55 , 46 , 37 , 28 , 19 , 10 , \_\_\_\_\_ Rule: Subtract 9

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

375 , 75 , 15 , \_\_\_\_\_

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

3 , 9 , 27 , 81 , \_\_\_\_\_

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

6 , 10 , 14 , 18 , 22 , \_\_\_\_\_

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

8 , 13 , 18 , 23 , \_\_\_\_\_

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

8 , 24 , 72 , 216 , \_\_\_\_\_

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

59 , 49 , 39 , 29 , 19 , \_\_\_\_\_

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

43 , 37 , 31 , 25 , 19 , 13 , 7 , \_\_\_\_\_

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

7 , 28 , 112 , \_\_\_\_\_

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

625 , 125 , 25 , \_\_\_\_\_

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

7 , 10 , 13 , 16 , 19 , 22 , \_\_\_\_\_

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

189 , 63 , 21 , \_\_\_\_\_

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

8 , 16 , 32 , 64 , \_\_\_\_\_

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

19 , 17 , 15 , 13 , 11 , 9 , \_\_\_\_\_

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

256 , 64 , 16 , \_\_\_\_\_

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

3 , 13 , 23 , 33 , 43 , 53 , \_\_\_\_\_

## Answers

Ex. 1

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.

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

**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.

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

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

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

**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.

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

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

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

**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.

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

**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.

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

**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.

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

## Answers

Ex. 1

1. 3

2. 243

3. 26

4. 28

5. 648

6. 9

7. 1

8. 448

9. 5

10. 25

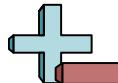
11. 7

12. 128

13. 7

14. 4

15. 63



# Finding Next Number in Pattern

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

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

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

$$2, 4, 8, 16, \underline{32} \quad \text{Rule: Multiply 2}$$

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

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

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

$$4, 9, 14, 19, 24, \underline{\hspace{2cm}}$$

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

$$6, 12, 24, \underline{\hspace{2cm}}$$

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

$$59, 50, 41, 32, 23, 14, \underline{\hspace{2cm}}$$

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

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

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

$$4, 16, 64, 256, \underline{\hspace{2cm}}$$

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

$$6, 8, 10, 12, 14, 16, \underline{\hspace{2cm}}$$

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

$$4, 6, 8, 10, 12, 14, \underline{\hspace{2cm}}$$

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

$$512, 128, 32, 8, \underline{\hspace{2cm}}$$

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

$$19, 17, 15, 13, 11, 9, 7, \underline{\hspace{2cm}}$$

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

$$112, 56, 28, 14, \underline{\hspace{2cm}}$$

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

$$43, 36, 29, 22, 15, \underline{\hspace{2cm}}$$

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

$$48, 24, 12, \underline{\hspace{2cm}}$$

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

$$7, 21, 63, \underline{\hspace{2cm}}$$

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

$$8, 10, 12, 14, 16, 18, 20, \underline{\hspace{2cm}}$$

## Answers

Ex. **32**

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

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

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

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

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

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

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

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

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

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

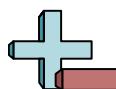
11. \_\_\_\_\_

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

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

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

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



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

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

$$2, 4, 8, 16, \underline{32} \quad \text{Rule: Multiply 2}$$

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

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

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

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

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

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

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

$$59, 50, 41, 32, 23, 14, \underline{5} \quad \text{Rule: Subtract 9}$$

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

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

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

$$4, 16, 64, 256, \underline{1,024} \quad \text{Rule: Multiply 4}$$

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

$$6, 8, 10, 12, 14, 16, \underline{18} \quad \text{Rule: Add 2}$$

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

$$4, 6, 8, 10, 12, 14, \underline{16} \quad \text{Rule: Add 2}$$

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

$$512, 128, 32, 8, \underline{2} \quad \text{Rule: Divide 4}$$

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

$$19, 17, 15, 13, 11, 9, 7, \underline{5} \quad \text{Rule: Subtract 2}$$

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

$$112, 56, 28, 14, \underline{7} \quad \text{Rule: Divide 2}$$

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

$$43, 36, 29, 22, 15, \underline{8} \quad \text{Rule: Subtract 7}$$

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

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

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

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

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

$$8, 10, 12, 14, 16, 18, 20, \underline{22} \quad \text{Rule: Add 2}$$

## Answers

Ex. 32

1. 7

2. 29

3. 48

4. 5

5. 7

6. 1,024

7. 18

8. 16

9. 2

10. 5

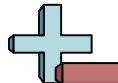
11. 7

12. 8

13. 6

14. 189

15. 22



# Finding Next Number in Pattern

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

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

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

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

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

$$3, 6, 12, \underline{\hspace{2cm}}$$

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

$$3, 10, 17, 24, 31, 38, 45, \underline{\hspace{2cm}}$$

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

$$2, 6, 18, \underline{\hspace{2cm}}$$

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

$$39, 31, 23, 15, \underline{\hspace{2cm}}$$

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

$$72, 36, 18, \underline{\hspace{2cm}}$$

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

$$48, 24, 12, \underline{\hspace{2cm}}$$

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

$$192, 48, 12, \underline{\hspace{2cm}}$$

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

$$6, 12, 24, 48, \underline{\hspace{2cm}}$$

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

$$1, 10, 19, 28, \underline{\hspace{2cm}}$$

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

$$29, 24, 19, 14, \underline{\hspace{2cm}}$$

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

$$7, 14, 28, \underline{\hspace{2cm}}$$

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

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

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

$$2, 11, 20, 29, 38, 47, \underline{\hspace{2cm}}$$

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

$$58, 50, 42, 34, 26, 18, \underline{\hspace{2cm}}$$

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

$$1,125, 225, 45, \underline{\hspace{2cm}}$$

## Answers

Ex. **32**

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

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

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

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

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

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

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

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

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

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

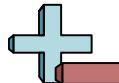
11. \_\_\_\_\_

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

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

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

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

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

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

**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.

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

**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.

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

**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.

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

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

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

**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.

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

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

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

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

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

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

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

**Answers**

Ex. **32**

1. **24**

2. **52**

3. **54**

4. **7**

5. **9**

6. **6**

7. **3**

8. **96**

9. **37**

10. **9**

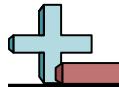
11. **56**

12. **1**

13. **56**

14. **10**

15. **9**



# Finding Next Number in Pattern

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

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

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

135 , 45 , 15 , 5      Rule: Divide 3

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

23 , 20 , 17 , 14 , 11 , 8 , 5 , \_\_\_\_\_

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

9 , 14 , 19 , 24 , 29 , 34 , \_\_\_\_\_

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

7 , 15 , 23 , 31 , 39 , 47 , \_\_\_\_\_

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

19 , 17 , 15 , 13 , 11 , 9 , \_\_\_\_\_

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

64 , 32 , 16 , \_\_\_\_\_

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

2 , 8 , 32 , 128 , \_\_\_\_\_

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

19 , 17 , 15 , 13 , 11 , \_\_\_\_\_

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

9 , 36 , 144 , \_\_\_\_\_

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

243 , 81 , 27 , \_\_\_\_\_

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

5 , 10 , 15 , 20 , \_\_\_\_\_

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

3 , 15 , 75 , \_\_\_\_\_

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

21 , 17 , 13 , 9 , \_\_\_\_\_

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

3 , 6 , 12 , \_\_\_\_\_

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

1 , 6 , 11 , 16 , 21 , \_\_\_\_\_

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

648 , 216 , 72 , 24 , \_\_\_\_\_

## Answers

Ex. 5

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

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

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

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

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

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

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

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

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

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

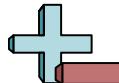
11. \_\_\_\_\_

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.

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

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

$$23, 20, 17, 14, 11, 8, 5, \underline{2} \quad \text{Rule: Subtract 3}$$

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

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

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

$$7, 15, 23, 31, 39, 47, \underline{55} \quad \text{Rule: Add 8}$$

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

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

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

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

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

$$2, 8, 32, 128, \underline{512} \quad \text{Rule: Multiply 4}$$

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

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

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

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

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

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

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

$$5, 10, 15, 20, \underline{25} \quad \text{Rule: Add 5}$$

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

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

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

$$21, 17, 13, 9, \underline{5} \quad \text{Rule: Subtract 4}$$

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

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

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

$$1, 6, 11, 16, 21, \underline{26} \quad \text{Rule: Add 5}$$

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

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

## Answers

Ex. 5

1. 2

2. 39

3. 55

4. 7

5. 8

6. 512

7. 9

8. 576

9. 9

10. 25

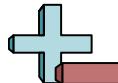
11. 375

12. 5

13. 24

14. 26

15. 8



# Finding Next Number in Pattern

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

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

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

$$7, 17, 27, 37, 47, 57, 67, \underline{77} \quad \text{Rule: Add 10}$$

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

$$40, 20, 10, \underline{\hspace{2cm}}$$

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

$$7, 21, 63, 189, \underline{\hspace{2cm}}$$

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

$$6, 18, 54, 162, \underline{\hspace{2cm}}$$

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

$$24, 22, 20, 18, 16, 14, 12, \underline{\hspace{2cm}}$$

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

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

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

$$14, 12, 10, 8, 6, \underline{\hspace{2cm}}$$

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

$$10, 12, 14, 16, 18, \underline{\hspace{2cm}}$$

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

$$729, 243, 81, 27, \underline{\hspace{2cm}}$$

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

$$23, 18, 13, 8, \underline{\hspace{2cm}}$$

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

$$2, 6, 18, 54, \underline{\hspace{2cm}}$$

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

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

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

$$6, 16, 26, 36, 46, \underline{\hspace{2cm}}$$

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

$$16, 8, 4, \underline{\hspace{2cm}}$$

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

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

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

$$4, 10, 16, 22, \underline{\hspace{2cm}}$$

## Answers

Ex. **77**

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

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

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

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

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

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

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

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

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

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

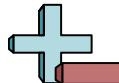
11. \_\_\_\_\_

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.

$$7, 17, 27, 37, 47, 57, 67, \underline{77} \quad \text{Rule: Add 10}$$

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

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

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

$$7, 21, 63, 189, \underline{567} \quad \text{Rule: Multiply 3}$$

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

$$6, 18, 54, 162, \underline{486} \quad \text{Rule: Multiply 3}$$

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

$$24, 22, 20, 18, 16, 14, 12, \underline{10} \quad \text{Rule: Subtract 2}$$

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

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

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

$$14, 12, 10, 8, 6, \underline{4} \quad \text{Rule: Subtract 2}$$

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

$$10, 12, 14, 16, 18, \underline{20} \quad \text{Rule: Add 2}$$

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

$$729, 243, 81, 27, \underline{9} \quad \text{Rule: Divide 3}$$

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

$$23, 18, 13, 8, \underline{3} \quad \text{Rule: Subtract 5}$$

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

$$2, 6, 18, 54, \underline{162} \quad \text{Rule: Multiply 3}$$

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

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

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

$$6, 16, 26, 36, 46, \underline{56} \quad \text{Rule: Add 10}$$

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

$$16, 8, 4, \underline{2} \quad \text{Rule: Divide 2}$$

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

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

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

$$4, 10, 16, 22, \underline{28} \quad \text{Rule: Add 6}$$

## Answers

Ex. **77**

1. **5**

2. **567**

3. **486**

4. **10**

5. **7**

6. **4**

7. **20**

8. **9**

9. **3**

10. **162**

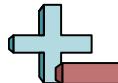
11. **8**

12. **56**

13. **2**

14. **243**

15. **28**



# Finding Next Number in Pattern

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

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

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

$$5, 11, 17, 23, 29, \underline{35} \quad \text{Rule: Add 6}$$

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

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

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

$$72, 36, 18, \underline{\hspace{2cm}}$$

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

$$192, 48, 12, \underline{\hspace{2cm}}$$

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

$$6, 8, 10, 12, 14, 16, \underline{\hspace{2cm}}$$

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

$$54, 18, 6, \underline{\hspace{2cm}}$$

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

$$8, 40, 200, 1,000, \underline{\hspace{2cm}}$$

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

$$6, 13, 20, 27, 34, 41, \underline{\hspace{2cm}}$$

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

$$65, 55, 45, 35, 25, 15, \underline{\hspace{2cm}}$$

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

$$7, 35, 175, \underline{\hspace{2cm}}$$

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

$$55, 48, 41, 34, 27, 20, 13, \underline{\hspace{2cm}}$$

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

$$729, 243, 81, 27, \underline{\hspace{2cm}}$$

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

$$7, 35, 175, 875, \underline{\hspace{2cm}}$$

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

$$49, 43, 37, 31, 25, 19, 13, \underline{\hspace{2cm}}$$

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

$$33, 29, 25, 21, 17, 13, 9, \underline{\hspace{2cm}}$$

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

$$8, 32, 128, \underline{\hspace{2cm}}$$

## Answers

Ex. 35

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

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

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

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

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

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

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

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

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

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

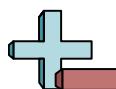
11. \_\_\_\_\_

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.

$$5, 11, 17, 23, 29, \underline{35} \quad \text{Rule: Add 6}$$

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

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

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

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

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

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

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

$$6, 8, 10, 12, 14, 16, \underline{18} \quad \text{Rule: Add 2}$$

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

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

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

$$8, 40, 200, 1,000, \underline{5,000} \quad \text{Rule: Multiply 5}$$

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

$$6, 13, 20, 27, 34, 41, \underline{48} \quad \text{Rule: Add 7}$$

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

$$65, 55, 45, 35, 25, 15, \underline{5} \quad \text{Rule: Subtract 10}$$

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

$$7, 35, 175, \underline{875} \quad \text{Rule: Multiply 5}$$

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

$$55, 48, 41, 34, 27, 20, 13, \underline{6} \quad \text{Rule: Subtract 7}$$

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

$$729, 243, 81, 27, \underline{9} \quad \text{Rule: Divide 3}$$

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

$$7, 35, 175, 875, \underline{4,375} \quad \text{Rule: Multiply 5}$$

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

$$49, 43, 37, 31, 25, 19, 13, \underline{7} \quad \text{Rule: Subtract 6}$$

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

$$33, 29, 25, 21, 17, 13, 9, \underline{5} \quad \text{Rule: Subtract 4}$$

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

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

## Answers

Ex. **35**

**37**

**9**

**3**

**18**

**2**

**5,000**

**48**

**5**

**875**

**6**

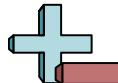
**9**

**4,375**

**7**

**5**

**512**



# Finding Next Number in Pattern

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

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

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

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

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

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

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

$$49, 41, 33, 25, 17, \underline{\hspace{2cm}}$$

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

$$135, 45, 15, \underline{\hspace{2cm}}$$

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

$$5, 20, 80, 320, \underline{\hspace{2cm}}$$

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

$$3, 6, 12, \underline{\hspace{2cm}}$$

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

$$5, 15, 25, 35, 45, 55, 65, \underline{\hspace{2cm}}$$

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

$$33, 25, 17, 9, \underline{\hspace{2cm}}$$

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

$$6, 12, 24, \underline{\hspace{2cm}}$$

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

$$38, 29, 20, 11, \underline{\hspace{2cm}}$$

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

$$1, 10, 19, 28, 37, 46, \underline{\hspace{2cm}}$$

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

$$5, 9, 13, 17, 21, \underline{\hspace{2cm}}$$

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

$$405, 135, 45, 15, \underline{\hspace{2cm}}$$

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

$$27, 24, 21, 18, 15, 12, 9, \underline{\hspace{2cm}}$$

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

$$729, 243, 81, 27, \underline{\hspace{2cm}}$$

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

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

## Answers

Ex. **37**

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

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

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

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

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

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

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

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

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

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

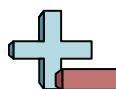
11. \_\_\_\_\_

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.

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

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

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

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

$$49, 41, 33, 25, 17, \underline{9} \quad \text{Rule: Subtract 8}$$

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

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

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

$$5, 20, 80, 320, \underline{1,280} \quad \text{Rule: Multiply 4}$$

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

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

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

$$5, 15, 25, 35, 45, 55, 65, \underline{75} \quad \text{Rule: Add 10}$$

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

$$33, 25, 17, 9, \underline{1} \quad \text{Rule: Subtract 8}$$

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

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

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

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

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

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

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

$$5, 9, 13, 17, 21, \underline{25} \quad \text{Rule: Add 4}$$

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

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

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

$$27, 24, 21, 18, 15, 12, 9, \underline{6} \quad \text{Rule: Subtract 3}$$

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

$$729, 243, 81, 27, \underline{9} \quad \text{Rule: Divide 3}$$

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

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

## Answers

Ex. **37**

1. **128**

2. **9**

3. **5**

4. **1,280**

5. **24**

6. **75**

7. **1**

8. **48**

9. **2**

10. **55**

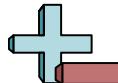
11. **25**

12. **5**

13. **6**

14. **9**

15. **8**



# Finding Next Number in Pattern

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

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

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

1,024 , 256 , 64 , 16 , \_\_\_\_\_ Rule: Divide 4

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

62 , 52 , 42 , 32 , 22 , 12 , \_\_\_\_\_

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

3 , 7 , 11 , 15 , \_\_\_\_\_

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

5 , 12 , 19 , 26 , 33 , 40 , \_\_\_\_\_

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

9 , 16 , 23 , 30 , 37 , 44 , \_\_\_\_\_

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

8 , 12 , 16 , 20 , \_\_\_\_\_

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

38 , 29 , 20 , 11 , \_\_\_\_\_

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

162 , 54 , 18 , \_\_\_\_\_

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

2 , 10 , 50 , 250 , \_\_\_\_\_

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

9 , 36 , 144 , \_\_\_\_\_

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

30 , 26 , 22 , 18 , 14 , \_\_\_\_\_

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

64 , 32 , 16 , 8 , \_\_\_\_\_

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

2 , 4 , 8 , 16 , \_\_\_\_\_

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

512 , 128 , 32 , \_\_\_\_\_

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

59 , 50 , 41 , 32 , 23 , 14 , \_\_\_\_\_

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

5 , 20 , 80 , \_\_\_\_\_

## Answers

Ex. **4**

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

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

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

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

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

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

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

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

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

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

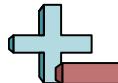
11. \_\_\_\_\_

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

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

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

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



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

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

$$1,024, 256, 64, 16, \underline{4} \quad \text{Rule: Divide 4}$$

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

$$62, 52, 42, 32, 22, 12, \underline{2} \quad \text{Rule: Subtract 10}$$

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

$$3, 7, 11, 15, \underline{19} \quad \text{Rule: Add 4}$$

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

$$5, 12, 19, 26, 33, 40, \underline{47} \quad \text{Rule: Add 7}$$

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

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

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

$$8, 12, 16, 20, \underline{24} \quad \text{Rule: Add 4}$$

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

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

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

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

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

$$2, 10, 50, 250, \underline{1,250} \quad \text{Rule: Multiply 5}$$

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

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

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

$$30, 26, 22, 18, 14, \underline{10} \quad \text{Rule: Subtract 4}$$

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

$$64, 32, 16, 8, \underline{4} \quad \text{Rule: Divide 2}$$

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

$$2, 4, 8, 16, \underline{32} \quad \text{Rule: Multiply 2}$$

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

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

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

$$59, 50, 41, 32, 23, 14, \underline{5} \quad \text{Rule: Subtract 9}$$

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

$$5, 20, 80, \underline{320} \quad \text{Rule: Multiply 4}$$

## Answers

Ex. 4

1. 2

2. 19

3. 47

4. 51

5. 24

6. 2

7. 6

8. 1,250

9. 576

10. 10

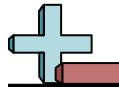
11. 4

12. 32

13. 8

14. 5

15. 320



# Finding Next Number in Pattern

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

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

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

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

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

$$4, 6, 8, 10, 12, 14, 16, \underline{\hspace{2cm}}$$

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

$$162, 54, 18, \underline{\hspace{2cm}}$$

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

$$108, 36, 12, \underline{\hspace{2cm}}$$

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

$$2,304, 576, 144, 36, \underline{\hspace{2cm}}$$

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

$$21, 17, 13, 9, 5, \underline{\hspace{2cm}}$$

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

$$58, 48, 38, 28, 18, \underline{\hspace{2cm}}$$

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

$$1,280, 320, 80, 20, \underline{\hspace{2cm}}$$

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

$$2, 12, 22, 32, 42, 52, \underline{\hspace{2cm}}$$

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

$$5, 15, 45, 135, \underline{\hspace{2cm}}$$

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

$$5, 11, 17, 23, 29, 35, \underline{\hspace{2cm}}$$

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

$$40, 35, 30, 25, 20, 15, \underline{\hspace{2cm}}$$

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

$$3, 12, 21, 30, \underline{\hspace{2cm}}$$

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

$$77, 67, 57, 47, 37, 27, 17, \underline{\hspace{2cm}}$$

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

$$4, 16, 64, \underline{\hspace{2cm}}$$

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

$$2, 10, 50, 250, \underline{\hspace{2cm}}$$

## Answers

Ex. **648**

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

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

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

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

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

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

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

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

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

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

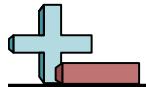
11. \_\_\_\_\_

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.

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

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

$$4, 6, 8, 10, 12, 14, 16, \underline{18} \quad \text{Rule: Add 2}$$

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

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

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

$$108, 36, 12, \underline{4} \quad \text{Rule: Divide 3}$$

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

$$2,304, 576, 144, 36, \underline{9} \quad \text{Rule: Divide 4}$$

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

$$21, 17, 13, 9, 5, \underline{1} \quad \text{Rule: Subtract 4}$$

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

$$58, 48, 38, 28, 18, \underline{8} \quad \text{Rule: Subtract 10}$$

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

$$1,280, 320, 80, 20, \underline{5} \quad \text{Rule: Divide 4}$$

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

$$2, 12, 22, 32, 42, 52, \underline{62} \quad \text{Rule: Add 10}$$

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

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

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

$$5, 11, 17, 23, 29, 35, \underline{41} \quad \text{Rule: Add 6}$$

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

$$40, 35, 30, 25, 20, 15, \underline{10} \quad \text{Rule: Subtract 5}$$

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

$$3, 12, 21, 30, \underline{39} \quad \text{Rule: Add 9}$$

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

$$77, 67, 57, 47, 37, 27, 17, \underline{7} \quad \text{Rule: Subtract 10}$$

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

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

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

$$2, 10, 50, 250, \underline{1,250} \quad \text{Rule: Multiply 5}$$

## Answers

Ex. **648**

1. **18**

2. **6**

3. **4**

4. **9**

5. **1**

6. **8**

7. **5**

8. **62**

9. **405**

10. **41**

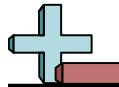
11. **10**

12. **39**

13. **7**

14. **256**

15. **1,250**



# 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. \_\_\_\_\_

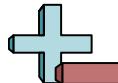
11. \_\_\_\_\_

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