



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. _____

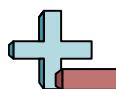
11. _____

12. _____

13. _____

14. _____

15. _____



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**