

Finding Next Number in Pattern

Name: _____

Find the next number in the pattern.

Ex) Find the next number in the pattern.

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

1) Find the next number in the pattern.

$$7, 28, 112, 448, \underline{\hspace{2cm}}$$

2) Find the next number in the pattern.

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

3) Find the next number in the pattern.

$$7, 14, 21, 28, \underline{\hspace{2cm}}$$

4) Find the next number in the pattern.

$$5, 8, 11, 14, 17, \underline{\hspace{2cm}}$$

5) Find the next number in the pattern.

$$16, 13, 10, 7, 4, \underline{\hspace{2cm}}$$

6) Find the next number in the pattern.

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

7) Find the next number in the pattern.

$$46, 40, 34, 28, 22, 16, 10, \underline{\hspace{2cm}}$$

8) Find the next number in the pattern.

$$4, 13, 22, 31, 40, \underline{\hspace{2cm}}$$

9) Find the next number in the pattern.

$$80, 70, 60, 50, 40, 30, 20, \underline{\hspace{2cm}}$$

10) Find the next number in the pattern.

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

11) Find the next number in the pattern.

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

12) Find the next number in the pattern.

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

13) Find the next number in the pattern.

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

14) Find the next number in the pattern.

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

15) Find the next number in the pattern.

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

Answers

Ex. 9

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

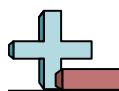
11. _____

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.

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

1) Find the next number in the pattern.

$$7, 28, 112, 448, \underline{1,792} \quad \text{Rule: Multiply 4}$$

2) Find the next number in the pattern.

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

3) Find the next number in the pattern.

$$7, 14, 21, 28, \underline{35} \quad \text{Rule: Add 7}$$

4) Find the next number in the pattern.

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

5) Find the next number in the pattern.

$$16, 13, 10, 7, 4, \underline{1} \quad \text{Rule: Subtract 3}$$

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.

$$46, 40, 34, 28, 22, 16, 10, \underline{4} \quad \text{Rule: Subtract 6}$$

8) Find the next number in the pattern.

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

9) Find the next number in the pattern.

$$80, 70, 60, 50, 40, 30, 20, \underline{10} \quad \text{Rule: Subtract 10}$$

10) Find the next number in the pattern.

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

11) Find the next number in the pattern.

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

12) Find the next number in the pattern.

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

13) Find the next number in the pattern.

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

14) Find the next number in the pattern.

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

15) Find the next number in the pattern.

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

Answers

Ex. **9**

1. **1,792**

2. **2**

3. **35**

4. **20**

5. **1**

6. **1,024**

7. **4**

8. **49**

9. **10**

10. **10**

11. **512**

12. **1,000**

13. **4**

14. **41**

15. **5**

1-10	93	87	80	73	67	60	53	47	40	33
11-15	27	20	13	7	0					