

Finding Next Number in Pattern

Name: _____

Find the next number in the pattern.

Ex) Find the next number in the pattern.

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

1) Find the next number in the pattern.

$$44, 35, 26, 17, \underline{\hspace{2cm}}$$

2) Find the next number in the pattern.

$$6, 30, 150, 750, \underline{\hspace{2cm}}$$

3) Find the next number in the pattern.

$$1, 8, 15, 22, 29, 36, \underline{\hspace{2cm}}$$

4) Find the next number in the pattern.

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

5) Find the next number in the pattern.

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

6) Find the next number in the pattern.

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

7) Find the next number in the pattern.

$$1,875, 375, 75, 15, \underline{\hspace{2cm}}$$

8) Find the next number in the pattern.

$$5, 25, 125, 625, \underline{\hspace{2cm}}$$

9) Find the next number in the pattern.

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

10) Find the next number in the pattern.

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

11) Find the next number in the pattern.

$$73, 64, 55, 46, 37, 28, 19, \underline{\hspace{2cm}}$$

12) Find the next number in the pattern.

$$10, 13, 16, 19, 22, \underline{\hspace{2cm}}$$

13) Find the next number in the pattern.

$$9, 11, 13, 15, 17, 19, 21, \underline{\hspace{2cm}}$$

14) Find the next number in the pattern.

$$34, 29, 24, 19, 14, 9, \underline{\hspace{2cm}}$$

15) Find the next number in the pattern.

$$10, 14, 18, 22, 26, 30, 34, \underline{\hspace{2cm}}$$

Answers

Ex. 54

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

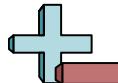
12. _____

13. _____

14. _____

15. _____

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



Finding Next Number in Pattern

Name: **Answer Key**

Find the next number in the pattern.

Ex) Find the next number in the pattern.

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

1) Find the next number in the pattern.

$$44, 35, 26, 17, \underline{8} \quad \text{Rule: Subtract 9}$$

2) Find the next number in the pattern.

$$6, 30, 150, 750, \underline{3,750} \quad \text{Rule: Multiply 5}$$

3) Find the next number in the pattern.

$$1, 8, 15, 22, 29, 36, \underline{43} \quad \text{Rule: Add 7}$$

4) Find the next number in the pattern.

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

5) Find the next number in the pattern.

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

6) Find the next number in the pattern.

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

7) Find the next number in the pattern.

$$1,875, 375, 75, 15, \underline{3} \quad \text{Rule: Divide 5}$$

8) Find the next number in the pattern.

$$5, 25, 125, 625, \underline{3,125} \quad \text{Rule: Multiply 5}$$

9) Find the next number in the pattern.

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

10) Find the next number in the pattern.

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

11) Find the next number in the pattern.

$$73, 64, 55, 46, 37, 28, 19, \underline{10} \quad \text{Rule: Subtract 9}$$

12) Find the next number in the pattern.

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

13) Find the next number in the pattern.

$$9, 11, 13, 15, 17, 19, 21, \underline{23} \quad \text{Rule: Add 2}$$

14) Find the next number in the pattern.

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

15) Find the next number in the pattern.

$$10, 14, 18, 22, 26, 30, 34, \underline{38} \quad \text{Rule: Add 4}$$

Answers

Ex. **54**

1. **8**

2. **3,750**

3. **43**

4. **2**

5. **9**

6. **8**

7. **3**

8. **3,125**

9. **1**

10. **256**

11. **10**

12. **25**

13. **23**

14. **4**

15. **38**