

Finding Next Number in Pattern

Name: _____

Find the next number in the pattern.

Ex) Find the next number in the pattern.

$$2, 8, 14, 20, 26, 32, 38, \underline{\hspace{2cm}} \text{ Rule: Add 6}$$

1) Find the next number in the pattern.

$$39, 33, 27, 21, 15, 9, \underline{\hspace{2cm}}$$

2) Find the next number in the pattern.

$$6, 24, 96, 384, \underline{\hspace{2cm}}$$

3) Find the next number in the pattern.

$$4, 8, 16, 32, \underline{\hspace{2cm}}$$

4) Find the next number in the pattern.

$$5625, 1125, 225, 45, \underline{\hspace{2cm}}$$

5) Find the next number in the pattern.

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

6) Find the next number in the pattern.

$$2, 10, 18, 26, 34, 42, \underline{\hspace{2cm}}$$

7) Find the next number in the pattern.

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

8) Find the next number in the pattern.

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

9) Find the next number in the pattern.

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

10) Find the next number in the pattern.

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

11) Find the next number in the pattern.

$$21, 16, 11, 6, \underline{\hspace{2cm}}$$

12) Find the next number in the pattern.

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

13) Find the next number in the pattern.

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

14) Find the next number in the pattern.

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

15) Find the next number in the pattern.

$$1125, 225, 45, \underline{\hspace{2cm}}$$

Answers

Ex. **44**

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

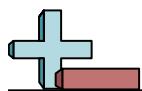
11. _____

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.

$$2, 8, 14, 20, 26, 32, 38, \underline{44} \quad \text{Rule: Add 6}$$

1) Find the next number in the pattern.

$$39, 33, 27, 21, 15, 9, \underline{3} \quad \text{Rule: Subtract 6}$$

2) Find the next number in the pattern.

$$6, 24, 96, 384, \underline{1,536} \quad \text{Rule: Multiply 4}$$

3) Find the next number in the pattern.

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

4) Find the next number in the pattern.

$$5625, 1125, 225, 45, \underline{9} \quad \text{Rule: Divide 5}$$

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.

$$2, 10, 18, 26, 34, 42, \underline{50} \quad \text{Rule: Add 8}$$

7) Find the next number in the pattern.

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

8) Find the next number in the pattern.

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

9) Find the next number in the pattern.

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

10) Find the next number in the pattern.

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

11) Find the next number in the pattern.

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

12) Find the next number in the pattern.

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

13) Find the next number in the pattern.

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

14) Find the next number in the pattern.

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

15) Find the next number in the pattern.

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

Answers

Ex. **44**

3

1,536

64

9

1

50

5

20

56

250

1

14

6

8

9