

#### Find the rule the pattern is using.

**Ex**) Find the rule the pattern is using. 1, 9, 17, 25, 33, 41, 49, 57

Rule = Add 8

1) Find the rule the pattern is using. 9, 27, 81, 243, 729

Rule = \_\_\_\_\_

2) Find the rule the pattern is using.

10, 13, 16, 19, 22, 25, 28, 31 Rule =

3) Find the rule the pattern is using. 37, 33, 29, 25, 21, 17, 13, 9

Rule =

4) Find the rule the pattern is using.

24, 12, 6, 3

Rule = \_\_\_\_\_

5) Find the rule the pattern is using. 56 . 28 . 14 . 7

56, 28, 14, 7

Rule = \_\_\_\_\_

6) Find the rule the pattern is using.

2,5,8,11,14,17

Rule =

Rule = \_\_\_\_\_

7) Find the rule the pattern is using. 16, 14, 12, 10, 8

8) Find the rule the pattern is using.

67,57,47,37,27,17,7

Rule = \_\_\_\_\_

9) Find the rule the pattern is using. 9, 36, 144, 576

9,30,144,370

Rule =\_\_\_\_\_

**10**) Find the rule the pattern is using.

375, 75, 15, 3

Rule =\_\_\_\_\_

11) Find the rule the pattern is using.

10, 15, 20, 25, 30, 35

Rule =

**12)** Find the rule the pattern is using.

4,8,16,32,64

Rule =

**13)** Find the rule the pattern is using.

162, 54, 18, 6

Rule =

**14)** Find the rule the pattern is using.

47, 39, 31, 23, 15, 7

Rule = \_\_\_\_\_

**15**) *Find the rule the pattern is using.* 

9, 45, 225, 1125

Rule =

#### **Answers**

 $\mathbf{E}_{\mathbf{x}}$ . Add 8

1.

2.

3.

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

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

6

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

8.

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

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

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

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

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

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

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

### Find the rule the pattern is using.

## **Ex)** Find the rule the pattern is using. 1, 9, 17, 25, 33, 41, 49, 57

# 1) Find the rule the pattern is using. 9, 27, 81, 243, 729

2) Find the rule the pattern is using. 10, 13, 16, 19, 22, 25, 28, 31

3) Find the rule the pattern is using. 37, 33, 29, 25, 21, 17, 13, 9

**4)** Find the rule the pattern is using. 24, 12, 6, 3

5) Find the rule the pattern is using. 56, 28, 14, 7

6) Find the rule the pattern is using.2,5,8,11,14,17

7) Find the rule the pattern is using. 16, 14, 12, 10, 8

8) Find the rule the pattern is using. 67, 57, 47, 37, 27, 17, 7

**9)** Find the rule the pattern is using. 9, 36, 144, 576

**10)** *Find the rule the pattern is using.* 375, 75, 15, 3

**11)** Find the rule the pattern is using. 10, 15, 20, 25, 30, 35

$$Rule = Add 5$$

**12)** Find the rule the pattern is using. 4, 8, 16, 32, 64

**13)** Find the rule the pattern is using. 162, 54, 18, 6

**14)** Find the rule the pattern is using. 47, 39, 31, 23, 15, 7

**15)** *Find the rule the pattern is using.* 9, 45, 225, 1125

73