



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

**Answers**

**Ex)** Find the rule the pattern is using.  
1 , 10 , 19 , 28 , 37 , 46 , 55 , 64

Rule =     Add 9    

Ex.     Add 9    

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

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

1. \_\_\_\_\_

**2)** Find the rule the pattern is using.  
3 , 9 , 27 , 81 , 243

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

2. \_\_\_\_\_

**3)** Find the rule the pattern is using.  
26 , 22 , 18 , 14 , 10 , 6

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

3. \_\_\_\_\_

**4)** Find the rule the pattern is using.  
28 , 23 , 18 , 13 , 8

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

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

**5)** Find the rule the pattern is using.  
8 , 24 , 72 , 216 , 648

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

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

**6)** Find the rule the pattern is using.  
9 , 19 , 29 , 39 , 49 , 59

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

6. \_\_\_\_\_

**7)** Find the rule the pattern is using.  
1 , 7 , 13 , 19 , 25 , 31 , 37 , 43

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

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

**8)** Find the rule the pattern is using.  
7 , 28 , 112 , 448

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

8. \_\_\_\_\_

**9)** Find the rule the pattern is using.  
625 , 125 , 25 , 5

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

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

**10)** Find the rule the pattern is using.  
25 , 22 , 19 , 16 , 13 , 10 , 7

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

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

**11)** Find the rule the pattern is using.  
189 , 63 , 21 , 7

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

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

**12)** Find the rule the pattern is using.  
8 , 16 , 32 , 64 , 128

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

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

**13)** Find the rule the pattern is using.  
7 , 9 , 11 , 13 , 15 , 17 , 19

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

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

**14)** Find the rule the pattern is using.  
256 , 64 , 16 , 4

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

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

**15)** Find the rule the pattern is using.  
63 , 53 , 43 , 33 , 23 , 13 , 3

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

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



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

Ex) Find the rule the pattern is using.  
1, 10, 19, 28, 37, 46, 55, 64

Rule =           Add 9          

**Answers**

Ex.           Add 9          

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

Rule =           Divide 5          

1.           Divide 5          

2) Find the rule the pattern is using.  
3, 9, 27, 81, 243

Rule =           Multiply 3          

2.           Multiply 3          

3) Find the rule the pattern is using.  
26, 22, 18, 14, 10, 6

Rule =           Subtract 4          

3.           Subtract 4          

4) Find the rule the pattern is using.  
28, 23, 18, 13, 8

Rule =           Subtract 5          

4.           Subtract 5          

5) Find the rule the pattern is using.  
8, 24, 72, 216, 648

Rule =           Multiply 3          

5.           Multiply 3          

6) Find the rule the pattern is using.  
9, 19, 29, 39, 49, 59

Rule =           Add 10          

6.           Add 10          

7) Find the rule the pattern is using.  
1, 7, 13, 19, 25, 31, 37, 43

Rule =           Add 6          

7.           Add 6          

8) Find the rule the pattern is using.  
7, 28, 112, 448

Rule =           Multiply 4          

8.           Multiply 4          

9) Find the rule the pattern is using.  
625, 125, 25, 5

Rule =           Divide 5          

9.           Divide 5          

10) Find the rule the pattern is using.  
25, 22, 19, 16, 13, 10, 7

Rule =           Subtract 3          

10.           Subtract 3          

11) Find the rule the pattern is using.  
189, 63, 21, 7

Rule =           Divide 3          

11.           Divide 3          

12) Find the rule the pattern is using.  
8, 16, 32, 64, 128

Rule =           Multiply 2          

12.           Multiply 2          

13) Find the rule the pattern is using.  
7, 9, 11, 13, 15, 17, 19

Rule =           Add 2          

13.           Add 2          

14) Find the rule the pattern is using.  
256, 64, 16, 4

Rule =           Divide 4          

14.           Divide 4          

15) Find the rule the pattern is using.  
63, 53, 43, 33, 23, 13, 3

Rule =           Subtract 10          

15.           Subtract 10



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

**Answers**

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

2 , 4 , 8 , 16 , 32

Rule =     Multiply 2    

Ex.     Multiply 2    

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

189 , 63 , 21 , 7

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

1. \_\_\_\_\_

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

29 , 24 , 19 , 14 , 9 , 4

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

2. \_\_\_\_\_

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

6 , 12 , 24 , 48

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

3. \_\_\_\_\_

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

5 , 14 , 23 , 32 , 41 , 50 , 59

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

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

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

7 , 9 , 11 , 13 , 15 , 17

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

6. \_\_\_\_\_

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

4 , 16 , 64 , 256 , 1024

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

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

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

18 , 16 , 14 , 12 , 10 , 8 , 6

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

8. \_\_\_\_\_

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

16 , 14 , 12 , 10 , 8 , 6 , 4

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

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

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

512 , 128 , 32 , 8 , 2

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

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

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

5 , 7 , 9 , 11 , 13 , 15 , 17 , 19

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

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

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

112 , 56 , 28 , 14 , 7

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

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

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

8 , 15 , 22 , 29 , 36 , 43

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

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

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

48 , 24 , 12 , 6

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

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

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

7 , 21 , 63 , 189

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

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

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

22 , 20 , 18 , 16 , 14 , 12 , 10 , 8

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

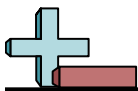


**Find the rule the pattern is using.**

- Ex)** Find the rule the pattern is using.  
2, 4, 8, 16, 32      Rule = Multiply 2
- 1)** Find the rule the pattern is using.  
189, 63, 21, 7      Rule = Divide 3
- 2)** Find the rule the pattern is using.  
29, 24, 19, 14, 9, 4      Rule = Subtract 5
- 3)** Find the rule the pattern is using.  
6, 12, 24, 48      Rule = Multiply 2
- 4)** Find the rule the pattern is using.  
5, 14, 23, 32, 41, 50, 59      Rule = Add 9
- 5)** Find the rule the pattern is using.  
7, 9, 11, 13, 15, 17      Rule = Add 2
- 6)** Find the rule the pattern is using.  
4, 16, 64, 256, 1024      Rule = Multiply 4
- 7)** Find the rule the pattern is using.  
18, 16, 14, 12, 10, 8, 6      Rule = Subtract 2
- 8)** Find the rule the pattern is using.  
16, 14, 12, 10, 8, 6, 4      Rule = Subtract 2
- 9)** Find the rule the pattern is using.  
512, 128, 32, 8, 2      Rule = Divide 4
- 10)** Find the rule the pattern is using.  
5, 7, 9, 11, 13, 15, 17, 19      Rule = Add 2
- 11)** Find the rule the pattern is using.  
112, 56, 28, 14, 7      Rule = Divide 2
- 12)** Find the rule the pattern is using.  
8, 15, 22, 29, 36, 43      Rule = Add 7
- 13)** Find the rule the pattern is using.  
48, 24, 12, 6      Rule = Divide 2
- 14)** Find the rule the pattern is using.  
7, 21, 63, 189      Rule = Multiply 3
- 15)** Find the rule the pattern is using.  
22, 20, 18, 16, 14, 12, 10, 8      Rule = Subtract 2

**Answers**

- Ex. Multiply 2
1. Divide 3
2. Subtract 5
3. Multiply 2
4. Add 9
5. Add 2
6. Multiply 4
7. Subtract 2
8. Subtract 2
9. Divide 4
10. Add 2
11. Divide 2
12. Add 7
13. Divide 2
14. Multiply 3
15. Subtract 2



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

**Answers**

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

32 , 27 , 22 , 17 , 12 , 7 , 2

Rule = Subtract 5

Ex. Subtract 5

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

3 , 6 , 12 , 24

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

1. \_\_\_\_\_

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

52 , 45 , 38 , 31 , 24 , 17 , 10 , 3

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

2. \_\_\_\_\_

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

2 , 6 , 18 , 54

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

3. \_\_\_\_\_

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

7 , 15 , 23 , 31 , 39

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

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

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

72 , 36 , 18 , 9

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

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

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

48 , 24 , 12 , 6

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

6. \_\_\_\_\_

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

192 , 48 , 12 , 3

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

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

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

6 , 12 , 24 , 48 , 96

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

8. \_\_\_\_\_

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

37 , 28 , 19 , 10 , 1

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

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

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

9 , 14 , 19 , 24 , 29

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

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

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

7 , 14 , 28 , 56

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

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

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

1 , 7 , 13 , 19 , 25 , 31

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

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

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

56 , 47 , 38 , 29 , 20 , 11 , 2

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

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

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

10 , 18 , 26 , 34 , 42 , 50 , 58

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

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

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

1125 , 225 , 45 , 9

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

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



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

Ex) Find the rule the pattern is using.

32 , 27 , 22 , 17 , 12 , 7 , 2

Rule = Subtract 5

Ex. Subtract 5

1) Find the rule the pattern is using.

3 , 6 , 12 , 24

Rule = Multiply 2

1. Multiply 2

2) Find the rule the pattern is using.

52 , 45 , 38 , 31 , 24 , 17 , 10 , 3

Rule = Subtract 7

2. Subtract 7

3) Find the rule the pattern is using.

2 , 6 , 18 , 54

Rule = Multiply 3

3. Multiply 3

4) Find the rule the pattern is using.

7 , 15 , 23 , 31 , 39

Rule = Add 8

4. Add 8

5) Find the rule the pattern is using.

72 , 36 , 18 , 9

Rule = Divide 2

5. Divide 2

6) Find the rule the pattern is using.

48 , 24 , 12 , 6

Rule = Divide 2

6. Divide 2

7) Find the rule the pattern is using.

192 , 48 , 12 , 3

Rule = Divide 4

7. Divide 4

8) Find the rule the pattern is using.

6 , 12 , 24 , 48 , 96

Rule = Multiply 2

8. Multiply 2

9) Find the rule the pattern is using.

37 , 28 , 19 , 10 , 1

Rule = Subtract 9

9. Subtract 9

10) Find the rule the pattern is using.

9 , 14 , 19 , 24 , 29

Rule = Add 5

10. Add 5

11) Find the rule the pattern is using.

7 , 14 , 28 , 56

Rule = Multiply 2

11. Multiply 2

12) Find the rule the pattern is using.

1 , 7 , 13 , 19 , 25 , 31

Rule = Add 6

12. Add 6

13) Find the rule the pattern is using.

56 , 47 , 38 , 29 , 20 , 11 , 2

Rule = Subtract 9

13. Subtract 9

14) Find the rule the pattern is using.

10 , 18 , 26 , 34 , 42 , 50 , 58

Rule = Add 8

14. Add 8

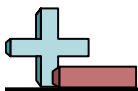
15) Find the rule the pattern is using.

1125 , 225 , 45 , 9

Rule = Divide 5

15. Divide 5

Answers



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

**Answers**

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

135 , 45 , 15 , 5

Rule = Divide 3

Ex. Divide 3

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

2 , 5 , 8 , 11 , 14 , 17 , 20 , 23

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

1. \_\_\_\_\_

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

39 , 34 , 29 , 24 , 19 , 14 , 9

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

2. \_\_\_\_\_

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

55 , 47 , 39 , 31 , 23 , 15 , 7

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

3. \_\_\_\_\_

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

7 , 9 , 11 , 13 , 15 , 17 , 19

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

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

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

64 , 32 , 16 , 8

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

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

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

2 , 8 , 32 , 128 , 512

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

6. \_\_\_\_\_

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

9 , 11 , 13 , 15 , 17 , 19

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

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

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

9 , 36 , 144 , 576

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

8. \_\_\_\_\_

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

243 , 81 , 27 , 9

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

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

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

25 , 20 , 15 , 10 , 5

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

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

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

3 , 15 , 75 , 375

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

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

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

5 , 9 , 13 , 17 , 21

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

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

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

4 , 20 , 100 , 500 , 2500

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

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

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

26 , 21 , 16 , 11 , 6 , 1

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

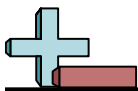
14. \_\_\_\_\_

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

648 , 216 , 72 , 24 , 8

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

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



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

Ex) Find the rule the pattern is using.

135 , 45 , 15 , 5

Rule = Divide 3

Ex. Divide 3

1) Find the rule the pattern is using.

2 , 5 , 8 , 11 , 14 , 17 , 20 , 23

Rule = Add 3

1. Add 3

2) Find the rule the pattern is using.

39 , 34 , 29 , 24 , 19 , 14 , 9

Rule = Subtract 5

2. Subtract 5

3) Find the rule the pattern is using.

55 , 47 , 39 , 31 , 23 , 15 , 7

Rule = Subtract 8

3. Subtract 8

4) Find the rule the pattern is using.

7 , 9 , 11 , 13 , 15 , 17 , 19

Rule = Add 2

4. Add 2

5) Find the rule the pattern is using.

64 , 32 , 16 , 8

Rule = Divide 2

5. Divide 2

6) Find the rule the pattern is using.

2 , 8 , 32 , 128 , 512

Rule = Multiply 4

6. Multiply 4

7) Find the rule the pattern is using.

9 , 11 , 13 , 15 , 17 , 19

Rule = Add 2

7. Add 2

8) Find the rule the pattern is using.

9 , 36 , 144 , 576

Rule = Multiply 4

8. Multiply 4

9) Find the rule the pattern is using.

243 , 81 , 27 , 9

Rule = Divide 3

9. Divide 3

10) Find the rule the pattern is using.

25 , 20 , 15 , 10 , 5

Rule = Subtract 5

10. Subtract 5

11) Find the rule the pattern is using.

3 , 15 , 75 , 375

Rule = Multiply 5

11. Multiply 5

12) Find the rule the pattern is using.

5 , 9 , 13 , 17 , 21

Rule = Add 4

12. Add 4

13) Find the rule the pattern is using.

4 , 20 , 100 , 500 , 2500

Rule = Multiply 5

13. Multiply 5

14) Find the rule the pattern is using.

26 , 21 , 16 , 11 , 6 , 1

Rule = Subtract 5

14. Subtract 5

15) Find the rule the pattern is using.

648 , 216 , 72 , 24 , 8

Rule = Divide 3

15. Divide 3

Answers





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

**Answers**

**Ex)** Find the rule the pattern is using.  
77 , 67 , 57 , 47 , 37 , 27 , 17 , 7

Rule = Subtract 10

Ex. Subtract 10

**1)** Find the rule the pattern is using.  
40 , 20 , 10 , 5

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

1. \_\_\_\_\_

**2)** Find the rule the pattern is using.  
7 , 21 , 63 , 189 , 567

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

2. \_\_\_\_\_

**3)** Find the rule the pattern is using.  
6 , 18 , 54 , 162 , 486

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

3. \_\_\_\_\_

**4)** Find the rule the pattern is using.  
10 , 12 , 14 , 16 , 18 , 20 , 22 , 24

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

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

**5)** Find the rule the pattern is using.  
7 , 13 , 19 , 25 , 31

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

6. \_\_\_\_\_

**6)** Find the rule the pattern is using.  
4 , 6 , 8 , 10 , 12 , 14

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

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

**7)** Find the rule the pattern is using.  
20 , 18 , 16 , 14 , 12 , 10

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

8. \_\_\_\_\_

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

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

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

**9)** Find the rule the pattern is using.  
3 , 8 , 13 , 18 , 23

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

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

**10)** Find the rule the pattern is using.  
2 , 6 , 18 , 54 , 162

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

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

**11)** Find the rule the pattern is using.  
216 , 72 , 24 , 8

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

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

**12)** Find the rule the pattern is using.  
56 , 46 , 36 , 26 , 16 , 6

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

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

**13)** Find the rule the pattern is using.  
16 , 8 , 4 , 2

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

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

**14)** Find the rule the pattern is using.  
3 , 9 , 27 , 81 , 243

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

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

**15)** Find the rule the pattern is using.  
28 , 22 , 16 , 10 , 4

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



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

Ex) Find the rule the pattern is using.  
77 , 67 , 57 , 47 , 37 , 27 , 17 , 7

Rule = Subtract 10

**Answers**

Ex. Subtract 10

1) Find the rule the pattern is using.  
40 , 20 , 10 , 5

Rule = Divide 2

1. Divide 2

2) Find the rule the pattern is using.  
7 , 21 , 63 , 189 , 567

Rule = Multiply 3

2. Multiply 3

3) Find the rule the pattern is using.  
6 , 18 , 54 , 162 , 486

Rule = Multiply 3

3. Multiply 3

4) Find the rule the pattern is using.  
10 , 12 , 14 , 16 , 18 , 20 , 22 , 24

Rule = Add 2

4. Add 2

5) Find the rule the pattern is using.  
7 , 13 , 19 , 25 , 31

Rule = Add 6

5. Add 6

6) Find the rule the pattern is using.  
4 , 6 , 8 , 10 , 12 , 14

Rule = Add 2

6. Add 2

7) Find the rule the pattern is using.  
20 , 18 , 16 , 14 , 12 , 10

Rule = Subtract 2

7. Subtract 2

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

Rule = Divide 3

8. Divide 3

9) Find the rule the pattern is using.  
3 , 8 , 13 , 18 , 23

Rule = Add 5

9. Add 5

10) Find the rule the pattern is using.  
2 , 6 , 18 , 54 , 162

Rule = Multiply 3

10. Multiply 3

11) Find the rule the pattern is using.  
216 , 72 , 24 , 8

Rule = Divide 3

11. Divide 3

12) Find the rule the pattern is using.  
56 , 46 , 36 , 26 , 16 , 6

Rule = Subtract 10

12. Subtract 10

13) Find the rule the pattern is using.  
16 , 8 , 4 , 2

Rule = Divide 2

13. Divide 2

14) Find the rule the pattern is using.  
3 , 9 , 27 , 81 , 243

Rule = Multiply 3

14. Multiply 3

15) Find the rule the pattern is using.  
28 , 22 , 16 , 10 , 4

Rule = Subtract 6

15. Subtract 6



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

**Answers**

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

35 , 29 , 23 , 17 , 11 , 5

Rule = Subtract 6

Ex. Subtract 6

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

37 , 31 , 25 , 19 , 13 , 7

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

1. \_\_\_\_\_

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

72 , 36 , 18 , 9

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

2. \_\_\_\_\_

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

192 , 48 , 12 , 3

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

3. \_\_\_\_\_

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

18 , 16 , 14 , 12 , 10 , 8 , 6

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

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

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

54 , 18 , 6 , 2

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

6. \_\_\_\_\_

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

8 , 40 , 200 , 1000 , 5000

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

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

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

48 , 41 , 34 , 27 , 20 , 13 , 6

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

8. \_\_\_\_\_

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

5 , 15 , 25 , 35 , 45 , 55 , 65

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

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

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

7 , 35 , 175 , 875

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

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

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

6 , 13 , 20 , 27 , 34 , 41 , 48 , 55

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

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

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

729 , 243 , 81 , 27 , 9

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

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

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

7 , 35 , 175 , 875 , 4375

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

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

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

7 , 13 , 19 , 25 , 31 , 37 , 43 , 49

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

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

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

5 , 9 , 13 , 17 , 21 , 25 , 29 , 33

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

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

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

8 , 32 , 128 , 512

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



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

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

35 , 29 , 23 , 17 , 11 , 5

Rule = Subtract 6

Ex. Subtract 6

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

37 , 31 , 25 , 19 , 13 , 7

Rule = Subtract 6

1. Subtract 6

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

72 , 36 , 18 , 9

Rule = Divide 2

2. Divide 2

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

192 , 48 , 12 , 3

Rule = Divide 4

3. Divide 4

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

18 , 16 , 14 , 12 , 10 , 8 , 6

Rule = Subtract 2

5. Divide 3

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

54 , 18 , 6 , 2

Rule = Divide 3

6. Multiply 5

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

8 , 40 , 200 , 1000 , 5000

Rule = Multiply 5

7. Subtract 7

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

48 , 41 , 34 , 27 , 20 , 13 , 6

Rule = Subtract 7

8. Add 10

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

5 , 15 , 25 , 35 , 45 , 55 , 65

Rule = Add 10

9. Multiply 5

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

7 , 35 , 175 , 875

Rule = Multiply 5

10. Add 7

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

6 , 13 , 20 , 27 , 34 , 41 , 48 , 55

Rule = Add 7

11. Divide 3

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

729 , 243 , 81 , 27 , 9

Rule = Divide 3

12. Multiply 5

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

7 , 35 , 175 , 875 , 4375

Rule = Multiply 5

13. Add 6

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

7 , 13 , 19 , 25 , 31 , 37 , 43 , 49

Rule = Add 6

14. Add 4

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

5 , 9 , 13 , 17 , 21 , 25 , 29 , 33

Rule = Add 4

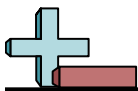
15. Multiply 4

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

8 , 32 , 128 , 512

Rule = Multiply 4

Answers



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

**Answers**

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

37 , 30 , 23 , 16 , 9 , 2

Rule = Subtract 7

Ex. Subtract 7

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

8 , 16 , 32 , 64 , 128

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

1. \_\_\_\_\_

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

9 , 17 , 25 , 33 , 41 , 49

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

2. \_\_\_\_\_

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

135 , 45 , 15 , 5

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

3. \_\_\_\_\_

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

5 , 20 , 80 , 320 , 1280

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

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

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

3 , 6 , 12 , 24

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

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

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

75 , 65 , 55 , 45 , 35 , 25 , 15 , 5

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

6. \_\_\_\_\_

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

1 , 9 , 17 , 25 , 33

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

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

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

6 , 12 , 24 , 48

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

8. \_\_\_\_\_

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

2 , 11 , 20 , 29 , 38

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

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

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

55 , 46 , 37 , 28 , 19 , 10 , 1

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

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

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

25 , 21 , 17 , 13 , 9 , 5

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

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

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

405 , 135 , 45 , 15 , 5

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

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

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

6 , 9 , 12 , 15 , 18 , 21 , 24 , 27

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

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

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

729 , 243 , 81 , 27 , 9

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

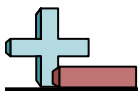
14. \_\_\_\_\_

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

64 , 32 , 16 , 8

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

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



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

- Ex) Find the rule the pattern is using.  
37 , 30 , 23 , 16 , 9 , 2
- 1) Find the rule the pattern is using.  
8 , 16 , 32 , 64 , 128
- 2) Find the rule the pattern is using.  
9 , 17 , 25 , 33 , 41 , 49
- 3) Find the rule the pattern is using.  
135 , 45 , 15 , 5
- 4) Find the rule the pattern is using.  
5 , 20 , 80 , 320 , 1280
- 5) Find the rule the pattern is using.  
3 , 6 , 12 , 24
- 6) Find the rule the pattern is using.  
75 , 65 , 55 , 45 , 35 , 25 , 15 , 5
- 7) Find the rule the pattern is using.  
1 , 9 , 17 , 25 , 33
- 8) Find the rule the pattern is using.  
6 , 12 , 24 , 48
- 9) Find the rule the pattern is using.  
2 , 11 , 20 , 29 , 38
- 10) Find the rule the pattern is using.  
55 , 46 , 37 , 28 , 19 , 10 , 1
- 11) Find the rule the pattern is using.  
25 , 21 , 17 , 13 , 9 , 5
- 12) Find the rule the pattern is using.  
405 , 135 , 45 , 15 , 5
- 13) Find the rule the pattern is using.  
6 , 9 , 12 , 15 , 18 , 21 , 24 , 27
- 14) Find the rule the pattern is using.  
729 , 243 , 81 , 27 , 9
- 15) Find the rule the pattern is using.  
64 , 32 , 16 , 8

Rule = Subtract 7

Rule = Multiply 2

Rule = Add 8

Rule = Divide 3

Rule = Multiply 4

Rule = Multiply 2

Rule = Subtract 10

Rule = Add 8

Rule = Multiply 2

Rule = Add 9

Rule = Subtract 9

Rule = Subtract 4

Rule = Divide 3

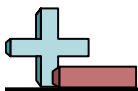
Rule = Add 3

Rule = Divide 3

Rule = Divide 2

**Answers**

- Ex. Subtract 7
- 1. Multiply 2
- 2. Add 8
- 3. Divide 3
- 4. Multiply 4
- 5. Multiply 2
- 6. Subtract 10
- 7. Add 8
- 8. Multiply 2
- 9. Add 9
- 10. Subtract 9
- 11. Subtract 4
- 12. Divide 3
- 13. Add 3
- 14. Divide 3
- 15. Divide 2



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

**Answers**

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

1024 , 256 , 64 , 16 , 4

Rule = Divide 4

Ex. Divide 4

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

2 , 12 , 22 , 32 , 42 , 52 , 62

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

1. \_\_\_\_\_

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

19 , 15 , 11 , 7 , 3

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

2. \_\_\_\_\_

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

47 , 40 , 33 , 26 , 19 , 12 , 5

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

3. \_\_\_\_\_

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

51 , 44 , 37 , 30 , 23 , 16 , 9

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

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

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

24 , 20 , 16 , 12 , 8

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

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

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

2 , 11 , 20 , 29 , 38

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

6. \_\_\_\_\_

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

162 , 54 , 18 , 6

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

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

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

2 , 10 , 50 , 250 , 1250

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

8. \_\_\_\_\_

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

9 , 36 , 144 , 576

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

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

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

10 , 14 , 18 , 22 , 26 , 30

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

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

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

64 , 32 , 16 , 8 , 4

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

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

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

2 , 4 , 8 , 16 , 32

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

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

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

768 , 192 , 48 , 12 , 3

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

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

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

5 , 14 , 23 , 32 , 41 , 50 , 59

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

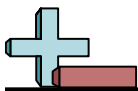
14. \_\_\_\_\_

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

5 , 20 , 80 , 320

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

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



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

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

1024 , 256 , 64 , 16 , 4

Rule = Divide 4

Ex. Divide 4

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

2 , 12 , 22 , 32 , 42 , 52 , 62

Rule = Add 10

1. Add 10

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

19 , 15 , 11 , 7 , 3

Rule = Subtract 4

2. Subtract 4

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

47 , 40 , 33 , 26 , 19 , 12 , 5

Rule = Subtract 7

3. Subtract 7

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

51 , 44 , 37 , 30 , 23 , 16 , 9

Rule = Subtract 7

4. Subtract 7

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

24 , 20 , 16 , 12 , 8

Rule = Subtract 4

5. Subtract 4

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

2 , 11 , 20 , 29 , 38

Rule = Add 9

6. Add 9

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

162 , 54 , 18 , 6

Rule = Divide 3

7. Divide 3

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

2 , 10 , 50 , 250 , 1250

Rule = Multiply 5

8. Multiply 5

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

9 , 36 , 144 , 576

Rule = Multiply 4

9. Multiply 4

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

10 , 14 , 18 , 22 , 26 , 30

Rule = Add 4

10. Add 4

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

64 , 32 , 16 , 8 , 4

Rule = Divide 2

11. Divide 2

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

2 , 4 , 8 , 16 , 32

Rule = Multiply 2

12. Multiply 2

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

768 , 192 , 48 , 12 , 3

Rule = Divide 4

13. Divide 4

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

5 , 14 , 23 , 32 , 41 , 50 , 59

Rule = Add 9

14. Add 9

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

5 , 20 , 80 , 320

Rule = Multiply 4

15. Multiply 4

Answers





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

**Answers**

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

8 , 24 , 72 , 216 , 648

Rule =     Multiply 3    

Ex.     Multiply 3    

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

18 , 16 , 14 , 12 , 10 , 8 , 6 , 4

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

1. \_\_\_\_\_

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

162 , 54 , 18 , 6

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

2. \_\_\_\_\_

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

108 , 36 , 12 , 4

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

3. \_\_\_\_\_

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

2304 , 576 , 144 , 36 , 9

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

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

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

1 , 5 , 9 , 13 , 17 , 21

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

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

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

8 , 18 , 28 , 38 , 48 , 58

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

6. \_\_\_\_\_

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

1280 , 320 , 80 , 20 , 5

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

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

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

62 , 52 , 42 , 32 , 22 , 12 , 2

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

8. \_\_\_\_\_

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

5 , 15 , 45 , 135 , 405

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

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

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

41 , 35 , 29 , 23 , 17 , 11 , 5

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

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

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

10 , 15 , 20 , 25 , 30 , 35 , 40

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

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

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

39 , 30 , 21 , 12 , 3

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

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

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

7 , 17 , 27 , 37 , 47 , 57 , 67 , 77

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

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

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

4 , 16 , 64 , 256

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

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

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

2 , 10 , 50 , 250 , 1250

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

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



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

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

8 , 24 , 72 , 216 , 648

Rule = Multiply 3

Ex. Multiply 3

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

18 , 16 , 14 , 12 , 10 , 8 , 6 , 4

Rule = Subtract 2

1. Subtract 2

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

162 , 54 , 18 , 6

Rule = Divide 3

2. Divide 3

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

108 , 36 , 12 , 4

Rule = Divide 3

3. Divide 3

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

2304 , 576 , 144 , 36 , 9

Rule = Divide 4

4. Divide 4

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

1 , 5 , 9 , 13 , 17 , 21

Rule = Add 4

5. Add 4

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

8 , 18 , 28 , 38 , 48 , 58

Rule = Add 10

6. Add 10

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

1280 , 320 , 80 , 20 , 5

Rule = Divide 4

7. Divide 4

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

62 , 52 , 42 , 32 , 22 , 12 , 2

Rule = Subtract 10

8. Subtract 10

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

5 , 15 , 45 , 135 , 405

Rule = Multiply 3

9. Multiply 3

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

41 , 35 , 29 , 23 , 17 , 11 , 5

Rule = Subtract 6

10. Subtract 6

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

10 , 15 , 20 , 25 , 30 , 35 , 40

Rule = Add 5

11. Add 5

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

39 , 30 , 21 , 12 , 3

Rule = Subtract 9

12. Subtract 9

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

7 , 17 , 27 , 37 , 47 , 57 , 67 , 77

Rule = Add 10

13. Add 10

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

4 , 16 , 64 , 256

Rule = Multiply 4

14. Multiply 4

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

2 , 10 , 50 , 250 , 1250

Rule = Multiply 5

15. Multiply 5

**Answers**



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

**Answers**

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

192 , 48 , 12 , 3

Rule = Divide 4

Ex. Divide 4

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

45 , 36 , 27 , 18 , 9

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

1. \_\_\_\_\_

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

4 , 9 , 14 , 19 , 24 , 29 , 34 , 39

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

2. \_\_\_\_\_

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

7 , 9 , 11 , 13 , 15 , 17

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

3. \_\_\_\_\_

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

8 , 24 , 72 , 216

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

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

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

71 , 61 , 51 , 41 , 31 , 21 , 11 , 1

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

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

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

6 , 18 , 54 , 162

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

6. \_\_\_\_\_

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

4 , 13 , 22 , 31 , 40 , 49

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

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

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

9 , 45 , 225 , 1125

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

8. \_\_\_\_\_

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

512 , 128 , 32 , 8

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

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

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

96 , 48 , 24 , 12 , 6

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

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

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

54 , 18 , 6 , 2

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

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

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

52 , 44 , 36 , 28 , 20 , 12 , 4

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

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

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

11 , 9 , 7 , 5 , 3 , 1

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

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

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

6 , 30 , 150 , 750

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

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

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

5 , 8 , 11 , 14 , 17 , 20

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

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



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

Ex) Find the rule the pattern is using.

192 , 48 , 12 , 3

Rule = Divide 4

Ex. Divide 4

1) Find the rule the pattern is using.

45 , 36 , 27 , 18 , 9

Rule = Subtract 9

1. Subtract 9

2) Find the rule the pattern is using.

4 , 9 , 14 , 19 , 24 , 29 , 34 , 39

Rule = Add 5

2. Add 5

3) Find the rule the pattern is using.

7 , 9 , 11 , 13 , 15 , 17

Rule = Add 2

3. Add 2

4) Find the rule the pattern is using.

8 , 24 , 72 , 216

Rule = Multiply 3

4. Multiply 3

5) Find the rule the pattern is using.

71 , 61 , 51 , 41 , 31 , 21 , 11 , 1

Rule = Subtract 10

5. Subtract 10

6) Find the rule the pattern is using.

6 , 18 , 54 , 162

Rule = Multiply 3

6. Multiply 3

7) Find the rule the pattern is using.

4 , 13 , 22 , 31 , 40 , 49

Rule = Add 9

7. Add 9

8) Find the rule the pattern is using.

9 , 45 , 225 , 1125

Rule = Multiply 5

8. Multiply 5

9) Find the rule the pattern is using.

512 , 128 , 32 , 8

Rule = Divide 4

9. Divide 4

10) Find the rule the pattern is using.

96 , 48 , 24 , 12 , 6

Rule = Divide 2

10. Divide 2

11) Find the rule the pattern is using.

54 , 18 , 6 , 2

Rule = Divide 3

11. Divide 3

12) Find the rule the pattern is using.

52 , 44 , 36 , 28 , 20 , 12 , 4

Rule = Subtract 8

12. Subtract 8

13) Find the rule the pattern is using.

11 , 9 , 7 , 5 , 3 , 1

Rule = Subtract 2

13. Subtract 2

14) Find the rule the pattern is using.

6 , 30 , 150 , 750

Rule = Multiply 5

14. Multiply 5

15) Find the rule the pattern is using.

5 , 8 , 11 , 14 , 17 , 20

Rule = Add 3

15. Add 3

Answers