



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

**Answers**

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

Rule = Subtract 9

Ex. Subtract 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.  
6 , 10 , 14 , 18 , 22 , 26

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

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

Rule = Subtract 9

**Answers**

Ex. Subtract 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.  
6 , 10 , 14 , 18 , 22 , 26

Rule = Add 4

3. Add 4

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

Rule = Add 5

4. Add 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.  
59 , 49 , 39 , 29 , 19 , 9

Rule = Subtract 10

6. Subtract 10

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

Rule = Subtract 6

7. Subtract 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.  
7 , 10 , 13 , 16 , 19 , 22 , 25

Rule = Add 3

10. Add 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.  
19 , 17 , 15 , 13 , 11 , 9 , 7

Rule = Subtract 2

13. Subtract 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.  
3 , 13 , 23 , 33 , 43 , 53 , 63

Rule = Add 10

15. Add 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.

4 , 9 , 14 , 19 , 24 , 29

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

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

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

6 , 12 , 24 , 48

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

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

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

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

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

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

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

17 , 15 , 13 , 11 , 9 , 7

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.

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

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

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

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

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

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

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

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

512 , 128 , 32 , 8 , 2

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

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

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

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

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

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

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

112 , 56 , 28 , 14 , 7

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

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

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

43 , 36 , 29 , 22 , 15 , 8

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

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

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

48 , 24 , 12 , 6

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

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

7 , 21 , 63 , 189

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

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

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

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



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

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 = Divide 3

1. Divide 3

2) Find the rule the pattern is using.

4, 9, 14, 19, 24, 29

Rule = Add 5

2. Add 5

3) Find the rule the pattern is using.

6, 12, 24, 48

Rule = Multiply 2

3. Multiply 2

4) Find the rule the pattern is using.

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

Rule = Subtract 9

4. Subtract 9

5) Find the rule the pattern is using.

17, 15, 13, 11, 9, 7

Rule = Subtract 2

5. Subtract 2

6) Find the rule the pattern is using.

4, 16, 64, 256, 1024

Rule = Multiply 4

6. Multiply 4

7) Find the rule the pattern is using.

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

Rule = Add 2

7. Add 2

8) Find the rule the pattern is using.

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

Rule = Add 2

8. Add 2

9) Find the rule the pattern is using.

512, 128, 32, 8, 2

Rule = Divide 4

9. Divide 4

10) Find the rule the pattern is using.

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

Rule = Subtract 2

10. Subtract 2

11) Find the rule the pattern is using.

112, 56, 28, 14, 7

Rule = Divide 2

11. Divide 2

12) Find the rule the pattern is using.

43, 36, 29, 22, 15, 8

Rule = Subtract 7

12. Subtract 7

13) Find the rule the pattern is using.

48, 24, 12, 6

Rule = Divide 2

13. Divide 2

14) Find the rule the pattern is using.

7, 21, 63, 189

Rule = Multiply 3

14. Multiply 3

15) Find the rule the pattern is using.

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

Rule = Add 2

15. Add 2

Answers



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

**Answers**

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

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

Rule =     Add 5    

Ex.     Add 5    

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

3 , 6 , 12 , 24

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

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

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

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

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

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

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

2 , 6 , 18 , 54

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

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

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

39 , 31 , 23 , 15 , 7

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

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

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

72 , 36 , 18 , 9

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

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

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

48 , 24 , 12 , 6

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

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

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

192 , 48 , 12 , 3

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

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

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

6 , 12 , 24 , 48 , 96

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

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

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

1 , 10 , 19 , 28 , 37

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

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

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

29 , 24 , 19 , 14 , 9

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

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

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

7 , 14 , 28 , 56

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

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

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

31 , 25 , 19 , 13 , 7 , 1

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

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

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

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

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

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

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

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

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

1125 , 225 , 45 , 9

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



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

Ex) Find the rule the pattern is using.

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

Rule =           Add 5          

Ex.           Add 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.

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

Rule =           Add 7          

2.           Add 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.

39 , 31 , 23 , 15 , 7

Rule =           Subtract 8          

4.           Subtract 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.

1 , 10 , 19 , 28 , 37

Rule =           Add 9          

9.           Add 9          

10) Find the rule the pattern is using.

29 , 24 , 19 , 14 , 9

Rule =           Subtract 5          

10.           Subtract 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.

31 , 25 , 19 , 13 , 7 , 1

Rule =           Subtract 6          

12.           Subtract 6          

13) Find the rule the pattern is using.

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

Rule =           Add 9          

13.           Add 9          

14) Find the rule the pattern is using.

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

Rule =           Subtract 8          

14.           Subtract 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.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

64 , 32 , 16 , 8

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

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

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

2 , 8 , 32 , 128 , 512

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

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

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

19 , 17 , 15 , 13 , 11 , 9

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

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

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

9 , 36 , 144 , 576

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

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

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

243 , 81 , 27 , 9

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

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

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

5 , 10 , 15 , 20 , 25

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

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

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

3 , 15 , 75 , 375

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

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

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

21 , 17 , 13 , 9 , 5

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

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

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

3 , 6 , 12 , 24

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

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

1 , 6 , 11 , 16 , 21 , 26

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

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

648 , 216 , 72 , 24 , 8

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



**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.

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

Rule = Subtract 3

1. Subtract 3

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

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

Rule = Add 5

2. Add 5

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

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

Rule = Add 8

3. Add 8

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

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

Rule = Subtract 2

4. Subtract 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.

19 , 17 , 15 , 13 , 11 , 9

Rule = Subtract 2

7. Subtract 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.

5 , 10 , 15 , 20 , 25

Rule = Add 5

10. Add 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.

21 , 17 , 13 , 9 , 5

Rule = Subtract 4

12. Subtract 4

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

3 , 6 , 12 , 24

Rule = Multiply 2

13. Multiply 2

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

1 , 6 , 11 , 16 , 21 , 26

Rule = Add 5

14. Add 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.  
7 , 17 , 27 , 37 , 47 , 57 , 67 , 77

Rule =     Add 10    

Ex.     Add 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.  
24 , 22 , 20 , 18 , 16 , 14 , 12 , 10

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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

Ex) Find the rule the pattern is using.

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

Rule =           Add 10          

Ex.           Add 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.

24, 22, 20, 18, 16, 14, 12, 10

Rule =           Subtract 2          

4.           Subtract 2          

5) Find the rule the pattern is using.

31, 25, 19, 13, 7

Rule =           Subtract 6          

5.           Subtract 6          

6) Find the rule the pattern is using.

14, 12, 10, 8, 6, 4

Rule =           Subtract 2          

6.           Subtract 2          

7) Find the rule the pattern is using.

10, 12, 14, 16, 18, 20

Rule =           Add 2          

7.           Add 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.

23, 18, 13, 8, 3

Rule =           Subtract 5          

9.           Subtract 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.

6, 16, 26, 36, 46, 56

Rule =           Add 10          

12.           Add 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.

4, 10, 16, 22, 28

Rule =           Add 6          

15.           Add 6          

**Answers**



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

**Answers**

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

5 , 11 , 17 , 23 , 29 , 35

Rule =     Add 6    

Ex.     Add 6    

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

7 , 13 , 19 , 25 , 31 , 37

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.

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

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.

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

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

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

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

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

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

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

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

7 , 35 , 175 , 875

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

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

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

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

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.

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

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

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

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

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

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.  
 5 , 11 , 17 , 23 , 29 , 35      Rule =     Add 6
- 1)** Find the rule the pattern is using.  
 7 , 13 , 19 , 25 , 31 , 37      Rule =     Add 6
- 2)** Find the rule the pattern is using.  
 72 , 36 , 18 , 9      Rule =     Divide 2
- 3)** Find the rule the pattern is using.  
 192 , 48 , 12 , 3      Rule =     Divide 4
- 4)** Find the rule the pattern is using.  
 6 , 8 , 10 , 12 , 14 , 16 , 18      Rule =     Add 2
- 5)** Find the rule the pattern is using.  
 54 , 18 , 6 , 2      Rule =     Divide 3
- 6)** Find the rule the pattern is using.  
 8 , 40 , 200 , 1000 , 5000      Rule =     Multiply 5
- 7)** Find the rule the pattern is using.  
 6 , 13 , 20 , 27 , 34 , 41 , 48      Rule =     Add 7
- 8)** Find the rule the pattern is using.  
 65 , 55 , 45 , 35 , 25 , 15 , 5      Rule =     Subtract 10
- 9)** Find the rule the pattern is using.  
 7 , 35 , 175 , 875      Rule =     Multiply 5
- 10)** Find the rule the pattern is using.  
 55 , 48 , 41 , 34 , 27 , 20 , 13 , 6      Rule =     Subtract 7
- 11)** Find the rule the pattern is using.  
 729 , 243 , 81 , 27 , 9      Rule =     Divide 3
- 12)** Find the rule the pattern is using.  
 7 , 35 , 175 , 875 , 4375      Rule =     Multiply 5
- 13)** Find the rule the pattern is using.  
 49 , 43 , 37 , 31 , 25 , 19 , 13 , 7      Rule =     Subtract 6
- 14)** Find the rule the pattern is using.  
 33 , 29 , 25 , 21 , 17 , 13 , 9 , 5      Rule =     Subtract 4
- 15)** Find the rule the pattern is using.  
 8 , 32 , 128 , 512      Rule =     Multiply 4

**Answers**

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



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

**Answers**

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

2 , 9 , 16 , 23 , 30 , 37

Rule =     Add 7    

Ex.     Add 7    

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

8 , 16 , 32 , 64 , 128

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

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

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

49 , 41 , 33 , 25 , 17 , 9

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 = \_\_\_\_\_

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

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

3 , 6 , 12 , 24

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

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

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

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

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

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

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

33 , 25 , 17 , 9 , 1

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

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

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

6 , 12 , 24 , 48

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

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

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

38 , 29 , 20 , 11 , 2

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

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

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

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

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

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

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

5 , 9 , 13 , 17 , 21 , 25

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

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

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

405 , 135 , 45 , 15 , 5

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

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

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

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

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

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

729 , 243 , 81 , 27 , 9

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

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

64 , 32 , 16 , 8

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



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

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

Rule =     Multiply 2    

Rule =     Subtract 8    

Rule =     Divide 3    

Rule =     Multiply 4    

Rule =     Multiply 2    

Rule =     Multiply 2    

Rule =     Add 10    

Rule =     Subtract 8    

Rule =     Multiply 2    

Rule =     Subtract 9    

Rule =     Add 9    

Rule =     Add 4    

Rule =     Divide 3    

Rule =     Subtract 3    

Rule =     Add 4    

Rule =     Divide 3    

Rule =     Subtract 3    

Rule =     Divide 3    

Rule =     Divide 2    

**Answers**

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

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

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

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

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

3 , 7 , 11 , 15 , 19

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

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

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

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

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

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

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

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

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

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

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

8 , 12 , 16 , 20 , 24

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

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

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

38 , 29 , 20 , 11 , 2

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.

30 , 26 , 22 , 18 , 14 , 10

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.

512 , 128 , 32 , 8

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

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

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

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

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.

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

Rule = Subtract 10

1. Subtract 10

2) Find the rule the pattern is using.

3 , 7 , 11 , 15 , 19

Rule = Add 4

2. Add 4

3) Find the rule the pattern is using.

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

Rule = Add 7

3. Add 7

4) Find the rule the pattern is using.

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

Rule = Add 7

4. Add 7

5) Find the rule the pattern is using.

8 , 12 , 16 , 20 , 24

Rule = Add 4

5. Add 4

6) Find the rule the pattern is using.

38 , 29 , 20 , 11 , 2

Rule = Subtract 9

6. Subtract 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.

30 , 26 , 22 , 18 , 14 , 10

Rule = Subtract 4

10. Subtract 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.

512 , 128 , 32 , 8

Rule = Divide 4

13. Divide 4

14) Find the rule the pattern is using.

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

Rule = Subtract 9

14. Subtract 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.

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

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.

21 , 17 , 13 , 9 , 5 , 1

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

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

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

58 , 48 , 38 , 28 , 18 , 8

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.

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

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.

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

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

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

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

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

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

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

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

3 , 12 , 21 , 30 , 39

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

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

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

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

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

Rule = Add 2

1. Add 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.  
21 , 17 , 13 , 9 , 5 , 1

Rule = Subtract 4

5. Subtract 4

**6)** Find the rule the pattern is using.  
58 , 48 , 38 , 28 , 18 , 8

Rule = Subtract 10

6. Subtract 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.  
2 , 12 , 22 , 32 , 42 , 52 , 62

Rule = Add 10

8. Add 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.  
5 , 11 , 17 , 23 , 29 , 35 , 41

Rule = Add 6

10. Add 6

**11)** Find the rule the pattern is using.  
40 , 35 , 30 , 25 , 20 , 15 , 10

Rule = Subtract 5

11. Subtract 5

**12)** Find the rule the pattern is using.  
3 , 12 , 21 , 30 , 39

Rule = Add 9

12. Add 9

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

Rule = Subtract 10

13. Subtract 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.

9 , 18 , 27 , 36 , 45

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

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

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

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

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

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

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

17 , 15 , 13 , 11 , 9 , 7

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

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

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

8 , 24 , 72 , 216

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

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

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

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

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

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

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

6 , 18 , 54 , 162

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

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

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

49 , 40 , 31 , 22 , 13 , 4

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.

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

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

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

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

1 , 3 , 5 , 7 , 9 , 11

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

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

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

6 , 30 , 150 , 750

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

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

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

20 , 17 , 14 , 11 , 8 , 5

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

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



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

- Ex)** Find the rule the pattern is using.  
 192 , 48 , 12 , 3      Rule =     Divide 4
- 1)** Find the rule the pattern is using.  
 9 , 18 , 27 , 36 , 45      Rule =     Add 9
- 2)** Find the rule the pattern is using.  
 39 , 34 , 29 , 24 , 19 , 14 , 9 , 4      Rule =     Subtract 5
- 3)** Find the rule the pattern is using.  
 17 , 15 , 13 , 11 , 9 , 7      Rule =     Subtract 2
- 4)** Find the rule the pattern is using.  
 8 , 24 , 72 , 216      Rule =     Multiply 3
- 5)** Find the rule the pattern is using.  
 1 , 11 , 21 , 31 , 41 , 51 , 61 , 71      Rule =     Add 10
- 6)** Find the rule the pattern is using.  
 6 , 18 , 54 , 162      Rule =     Multiply 3
- 7)** Find the rule the pattern is using.  
 49 , 40 , 31 , 22 , 13 , 4      Rule =     Subtract 9
- 8)** Find the rule the pattern is using.  
 9 , 45 , 225 , 1125      Rule =     Multiply 5
- 9)** Find the rule the pattern is using.  
 512 , 128 , 32 , 8      Rule =     Divide 4
- 10)** Find the rule the pattern is using.  
 96 , 48 , 24 , 12 , 6      Rule =     Divide 2
- 11)** Find the rule the pattern is using.  
 54 , 18 , 6 , 2      Rule =     Divide 3
- 12)** Find the rule the pattern is using.  
 4 , 12 , 20 , 28 , 36 , 44 , 52      Rule =     Add 8
- 13)** Find the rule the pattern is using.  
 1 , 3 , 5 , 7 , 9 , 11      Rule =     Add 2
- 14)** Find the rule the pattern is using.  
 6 , 30 , 150 , 750      Rule =     Multiply 5
- 15)** Find the rule the pattern is using.  
 20 , 17 , 14 , 11 , 8 , 5      Rule =     Subtract 3

**Answers**

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