



**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 = \_\_\_\_\_

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



**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 = \_\_\_\_\_

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.

1 , 10 , 19 , 28 , 37

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

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

10) Find the rule the pattern is using.

29 , 24 , 19 , 14 , 9

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

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

11) Find the rule the pattern is using.

7 , 14 , 28 , 56

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

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

12) Find the rule the pattern is using.

31 , 25 , 19 , 13 , 7 , 1

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

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

13) Find the rule the pattern is using.

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

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

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

14) Find the rule the pattern is using.

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

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.

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 = \_\_\_\_\_

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.

19 , 17 , 15 , 13 , 11 , 9

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.

5 , 10 , 15 , 20 , 25

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

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

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

3 , 15 , 75 , 375

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

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

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

21 , 17 , 13 , 9 , 5

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

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

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

3 , 6 , 12 , 24

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

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

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

1 , 6 , 11 , 16 , 21 , 26

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.

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          

**Answers**

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



**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        

Ex.         Add 6        

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

7 , 13 , 19 , 25 , 31 , 37

Rule =         Add 6        

1.         Add 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.

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

Rule =         Add 2        

4.         Add 2        

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

54 , 18 , 6 , 2

Rule =         Divide 3        

5.         Divide 3        

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

8 , 40 , 200 , 1000 , 5000

Rule =         Multiply 5        

6.         Multiply 5        

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

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

Rule =         Add 7        

7.         Add 7        

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

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

Rule =         Subtract 10        

8.         Subtract 10        

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

7 , 35 , 175 , 875

Rule =         Multiply 5        

9.         Multiply 5        

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

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

Rule =         Subtract 7        

10.         Subtract 7        

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

729 , 243 , 81 , 27 , 9

Rule =         Divide 3        

11.         Divide 3        

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

7 , 35 , 175 , 875 , 4375

Rule =         Multiply 5        

12.         Multiply 5        

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

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

Rule =         Subtract 6        

13.         Subtract 6        

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

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

Rule =         Subtract 4        

14.         Subtract 4        

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

8 , 32 , 128 , 512

Rule =         Multiply 4        

15.         Multiply 4        

**Answers**



**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 = \_\_\_\_\_

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

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

3 , 6 , 12 , 24

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

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

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

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

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

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

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

33 , 25 , 17 , 9 , 1

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

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

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

6 , 12 , 24 , 48

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

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

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

38 , 29 , 20 , 11 , 2

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

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

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

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

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

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

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

5 , 9 , 13 , 17 , 21 , 25

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.

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

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.

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 =     Multiply 2    

1.     Multiply 2    

2) Find the rule the pattern is using.

49, 41, 33, 25, 17, 9

Rule =     Subtract 8    

2.     Subtract 8    

3) Find the rule the pattern is using.

135, 45, 15, 5

Rule =     Divide 3    

3.     Divide 3    

4) Find the rule the pattern is using.

5, 20, 80, 320, 1280

Rule =     Multiply 4    

4.     Multiply 4    

5) Find the rule the pattern is using.

3, 6, 12, 24

Rule =     Multiply 2    

5.     Multiply 2    

6) Find the rule the pattern is using.

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

Rule =     Add 10    

6.     Add 10    

7) Find the rule the pattern is using.

33, 25, 17, 9, 1

Rule =     Subtract 8    

7.     Subtract 8    

8) Find the rule the pattern is using.

6, 12, 24, 48

Rule =     Multiply 2    

8.     Multiply 2    

9) Find the rule the pattern is using.

38, 29, 20, 11, 2

Rule =     Subtract 9    

9.     Subtract 9    

10) Find the rule the pattern is using.

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

Rule =     Add 9    

10.     Add 9    

11) Find the rule the pattern is using.

5, 9, 13, 17, 21, 25

Rule =     Add 4    

11.     Add 4    

12) Find the rule the pattern is using.

405, 135, 45, 15, 5

Rule =     Divide 3    

12.     Divide 3    

13) Find the rule the pattern is using.

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

Rule =     Subtract 3    

13.     Subtract 3    

14) Find the rule the pattern is using.

729, 243, 81, 27, 9

Rule =     Divide 3    

14.     Divide 3    

15) Find the rule the pattern is using.

64, 32, 16, 8

Rule =     Divide 2    

15.     Divide 2    

Answers



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

- Rule = Divide 4
- Rule = Add 9
- Rule = Subtract 5
- Rule = Subtract 2
- Rule = Multiply 3
- Rule = Add 10
- Rule = Multiply 3
- Rule = Subtract 9
- Rule = Multiply 5
- Rule = Divide 4
- Rule = Divide 2
- Rule = Divide 3
- Rule = Add 8
- Rule = Add 2
- Rule = Add 2
- Rule = Multiply 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