



**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

64 , 55 , 46 , 37 , 28 , 19 , 10 , 1      **Rule: Subtract 9**

**Answers**

Ex. 1

**1)** Find the next number in the pattern.

375 , 75 , 15 , \_\_\_\_\_

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

**2)** Find the next number in the pattern.

3 , 9 , 27 , 81 , \_\_\_\_\_

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

**3)** Find the next number in the pattern.

6 , 10 , 14 , 18 , 22 , \_\_\_\_\_

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

**4)** Find the next number in the pattern.

8 , 13 , 18 , 23 , \_\_\_\_\_

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

**5)** Find the next number in the pattern.

8 , 24 , 72 , 216 , \_\_\_\_\_

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

**6)** Find the next number in the pattern.

59 , 49 , 39 , 29 , 19 , \_\_\_\_\_

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

**7)** Find the next number in the pattern.

43 , 37 , 31 , 25 , 19 , 13 , 7 , \_\_\_\_\_

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

**8)** Find the next number in the pattern.

7 , 28 , 112 , \_\_\_\_\_

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

**9)** Find the next number in the pattern.

625 , 125 , 25 , \_\_\_\_\_

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

**10)** Find the next number in the pattern.

7 , 10 , 13 , 16 , 19 , 22 , \_\_\_\_\_

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

**11)** Find the next number in the pattern.

189 , 63 , 21 , \_\_\_\_\_

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

**12)** Find the next number in the pattern.

8 , 16 , 32 , 64 , \_\_\_\_\_

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

**13)** Find the next number in the pattern.

19 , 17 , 15 , 13 , 11 , 9 , \_\_\_\_\_

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

**14)** Find the next number in the pattern.

256 , 64 , 16 , \_\_\_\_\_

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

**15)** Find the next number in the pattern.

3 , 13 , 23 , 33 , 43 , 53 , \_\_\_\_\_

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



**Find the next number in the pattern.**

- Ex)** Find the next number in the pattern.  
 64 , 55 , 46 , 37 , 28 , 19 , 10 , 1    **Rule: Subtract 9**
- 1)** Find the next number in the pattern.  
 375 , 75 , 15 , 3    **Rule: Divide 5**
- 2)** Find the next number in the pattern.  
 3 , 9 , 27 , 81 , 243    **Rule: Multiply 3**
- 3)** Find the next number in the pattern.  
 6 , 10 , 14 , 18 , 22 , 26    **Rule: Add 4**
- 4)** Find the next number in the pattern.  
 8 , 13 , 18 , 23 , 28    **Rule: Add 5**
- 5)** Find the next number in the pattern.  
 8 , 24 , 72 , 216 , 648    **Rule: Multiply 3**
- 6)** Find the next number in the pattern.  
 59 , 49 , 39 , 29 , 19 , 9    **Rule: Subtract 10**
- 7)** Find the next number in the pattern.  
 43 , 37 , 31 , 25 , 19 , 13 , 7 , 1    **Rule: Subtract 6**
- 8)** Find the next number in the pattern.  
 7 , 28 , 112 , 448    **Rule: Multiply 4**
- 9)** Find the next number in the pattern.  
 625 , 125 , 25 , 5    **Rule: Divide 5**
- 10)** Find the next number in the pattern.  
 7 , 10 , 13 , 16 , 19 , 22 , 25    **Rule: Add 3**
- 11)** Find the next number in the pattern.  
 189 , 63 , 21 , 7    **Rule: Divide 3**
- 12)** Find the next number in the pattern.  
 8 , 16 , 32 , 64 , 128    **Rule: Multiply 2**
- 13)** Find the next number in the pattern.  
 19 , 17 , 15 , 13 , 11 , 9 , 7    **Rule: Subtract 2**
- 14)** Find the next number in the pattern.  
 256 , 64 , 16 , 4    **Rule: Divide 4**
- 15)** Find the next number in the pattern.  
 3 , 13 , 23 , 33 , 43 , 53 , 63    **Rule: Add 10**

**Answers**

- Ex. 1
1. 3
2. 243
3. 26
4. 28
5. 648
6. 9
7. 1
8. 448
9. 5
10. 25
11. 7
12. 128
13. 7
14. 4
15. 63



**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

2, 4, 8, 16, 32 Rule: Multiply 2

**Answers**

Ex. 32

1) Find the next number in the pattern.

189, 63, 21, \_\_\_\_\_

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

2) Find the next number in the pattern.

4, 9, 14, 19, 24, \_\_\_\_\_

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

3) Find the next number in the pattern.

6, 12, 24, \_\_\_\_\_

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

4) Find the next number in the pattern.

59, 50, 41, 32, 23, 14, \_\_\_\_\_

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

5) Find the next number in the pattern.

17, 15, 13, 11, 9, \_\_\_\_\_

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

6) Find the next number in the pattern.

4, 16, 64, 256, \_\_\_\_\_

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

7) Find the next number in the pattern.

6, 8, 10, 12, 14, 16, \_\_\_\_\_

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

8) Find the next number in the pattern.

4, 6, 8, 10, 12, 14, \_\_\_\_\_

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

9) Find the next number in the pattern.

512, 128, 32, 8, \_\_\_\_\_

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

10) Find the next number in the pattern.

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

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

11) Find the next number in the pattern.

112, 56, 28, 14, \_\_\_\_\_

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

12) Find the next number in the pattern.

43, 36, 29, 22, 15, \_\_\_\_\_

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

13) Find the next number in the pattern.

48, 24, 12, \_\_\_\_\_

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

14) Find the next number in the pattern.

7, 21, 63, \_\_\_\_\_

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

15) Find the next number in the pattern.

8, 10, 12, 14, 16, 18, 20, \_\_\_\_\_

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



**Find the next number in the pattern.**

- Ex)** Find the next number in the pattern.  
 2, 4, 8, 16, 32 Rule: Multiply 2
- 1)** Find the next number in the pattern.  
 189, 63, 21, 7 Rule: Divide 3
- 2)** Find the next number in the pattern.  
 4, 9, 14, 19, 24, 29 Rule: Add 5
- 3)** Find the next number in the pattern.  
 6, 12, 24, 48 Rule: Multiply 2
- 4)** Find the next number in the pattern.  
 59, 50, 41, 32, 23, 14, 5 Rule: Subtract 9
- 5)** Find the next number in the pattern.  
 17, 15, 13, 11, 9, 7 Rule: Subtract 2
- 6)** Find the next number in the pattern.  
 4, 16, 64, 256, 1,024 Rule: Multiply 4
- 7)** Find the next number in the pattern.  
 6, 8, 10, 12, 14, 16, 18 Rule: Add 2
- 8)** Find the next number in the pattern.  
 4, 6, 8, 10, 12, 14, 16 Rule: Add 2
- 9)** Find the next number in the pattern.  
 512, 128, 32, 8, 2 Rule: Divide 4
- 10)** Find the next number in the pattern.  
 19, 17, 15, 13, 11, 9, 7, 5 Rule: Subtract 2
- 11)** Find the next number in the pattern.  
 112, 56, 28, 14, 7 Rule: Divide 2
- 12)** Find the next number in the pattern.  
 43, 36, 29, 22, 15, 8 Rule: Subtract 7
- 13)** Find the next number in the pattern.  
 48, 24, 12, 6 Rule: Divide 2
- 14)** Find the next number in the pattern.  
 7, 21, 63, 189 Rule: Multiply 3
- 15)** Find the next number in the pattern.  
 8, 10, 12, 14, 16, 18, 20, 22 Rule: Add 2

**Answers**

- Ex. 32
1. 7
2. 29
3. 48
4. 5
5. 7
6. 1,024
7. 18
8. 16
9. 2
10. 5
11. 7
12. 8
13. 6
14. 189
15. 22



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

2 , 7 , 12 , 17 , 22 , 27 , 32      Rule: Add 5

Ex. 32

**1)** Find the next number in the pattern.

3 , 6 , 12 , \_\_\_\_\_

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

**2)** Find the next number in the pattern.

3 , 10 , 17 , 24 , 31 , 38 , 45 , \_\_\_\_\_

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

**3)** Find the next number in the pattern.

2 , 6 , 18 , \_\_\_\_\_

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

**4)** Find the next number in the pattern.

39 , 31 , 23 , 15 , \_\_\_\_\_

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

**5)** Find the next number in the pattern.

72 , 36 , 18 , \_\_\_\_\_

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

**6)** Find the next number in the pattern.

48 , 24 , 12 , \_\_\_\_\_

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

**7)** Find the next number in the pattern.

192 , 48 , 12 , \_\_\_\_\_

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

**8)** Find the next number in the pattern.

6 , 12 , 24 , 48 , \_\_\_\_\_

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

**9)** Find the next number in the pattern.

1 , 10 , 19 , 28 , \_\_\_\_\_

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

**10)** Find the next number in the pattern.

29 , 24 , 19 , 14 , \_\_\_\_\_

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

**11)** Find the next number in the pattern.

7 , 14 , 28 , \_\_\_\_\_

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

**12)** Find the next number in the pattern.

31 , 25 , 19 , 13 , 7 , \_\_\_\_\_

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

**13)** Find the next number in the pattern.

2 , 11 , 20 , 29 , 38 , 47 , \_\_\_\_\_

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

**14)** Find the next number in the pattern.

58 , 50 , 42 , 34 , 26 , 18 , \_\_\_\_\_

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

**15)** Find the next number in the pattern.

1,125 , 225 , 45 , \_\_\_\_\_

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



**Find the next number in the pattern.**

Ex) Find the next number in the pattern.

2, 7, 12, 17, 22, 27, 32 Rule: Add 5

Ex. 32

1) Find the next number in the pattern.

3, 6, 12, 24 Rule: Multiply 2

1. 24

2) Find the next number in the pattern.

3, 10, 17, 24, 31, 38, 45, 52 Rule: Add 7

2. 52

3) Find the next number in the pattern.

2, 6, 18, 54 Rule: Multiply 3

3. 54

4) Find the next number in the pattern.

39, 31, 23, 15, 7 Rule: Subtract 8

4. 7

5) Find the next number in the pattern.

72, 36, 18, 9 Rule: Divide 2

5. 9

6) Find the next number in the pattern.

48, 24, 12, 6 Rule: Divide 2

6. 6

7) Find the next number in the pattern.

192, 48, 12, 3 Rule: Divide 4

7. 3

8) Find the next number in the pattern.

6, 12, 24, 48, 96 Rule: Multiply 2

8. 96

9) Find the next number in the pattern.

1, 10, 19, 28, 37 Rule: Add 9

9. 37

10) Find the next number in the pattern.

29, 24, 19, 14, 9 Rule: Subtract 5

10. 9

11) Find the next number in the pattern.

7, 14, 28, 56 Rule: Multiply 2

11. 56

12) Find the next number in the pattern.

31, 25, 19, 13, 7, 1 Rule: Subtract 6

12. 1

13) Find the next number in the pattern.

2, 11, 20, 29, 38, 47, 56 Rule: Add 9

13. 56

14) Find the next number in the pattern.

58, 50, 42, 34, 26, 18, 10 Rule: Subtract 8

14. 10

15) Find the next number in the pattern.

1, 125, 225, 45, 9 Rule: Divide 5

15. 9

Answers



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

135 , 45 , 15 , 5    **Rule: Divide 3**

Ex. 5

**1)** Find the next number in the pattern.

23 , 20 , 17 , 14 , 11 , 8 , 5 , \_\_\_\_\_

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

**2)** Find the next number in the pattern.

9 , 14 , 19 , 24 , 29 , 34 , \_\_\_\_\_

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

**3)** Find the next number in the pattern.

7 , 15 , 23 , 31 , 39 , 47 , \_\_\_\_\_

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

**4)** Find the next number in the pattern.

19 , 17 , 15 , 13 , 11 , 9 , \_\_\_\_\_

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

**5)** Find the next number in the pattern.

64 , 32 , 16 , \_\_\_\_\_

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

**6)** Find the next number in the pattern.

2 , 8 , 32 , 128 , \_\_\_\_\_

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

**7)** Find the next number in the pattern.

19 , 17 , 15 , 13 , 11 , \_\_\_\_\_

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

**8)** Find the next number in the pattern.

9 , 36 , 144 , \_\_\_\_\_

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

**9)** Find the next number in the pattern.

243 , 81 , 27 , \_\_\_\_\_

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

**10)** Find the next number in the pattern.

5 , 10 , 15 , 20 , \_\_\_\_\_

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

**11)** Find the next number in the pattern.

3 , 15 , 75 , \_\_\_\_\_

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

**12)** Find the next number in the pattern.

21 , 17 , 13 , 9 , \_\_\_\_\_

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

**13)** Find the next number in the pattern.

3 , 6 , 12 , \_\_\_\_\_

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

**14)** Find the next number in the pattern.

1 , 6 , 11 , 16 , 21 , \_\_\_\_\_

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

**15)** Find the next number in the pattern.

648 , 216 , 72 , 24 , \_\_\_\_\_

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



**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

135 , 45 , 15 , 5 Rule: Divide 3

Ex. 5

**1)** Find the next number in the pattern.

23 , 20 , 17 , 14 , 11 , 8 , 5 , 2 Rule: Subtract 3

1. 2

**2)** Find the next number in the pattern.

9 , 14 , 19 , 24 , 29 , 34 , 39 Rule: Add 5

2. 39

**3)** Find the next number in the pattern.

7 , 15 , 23 , 31 , 39 , 47 , 55 Rule: Add 8

3. 55

**4)** Find the next number in the pattern.

19 , 17 , 15 , 13 , 11 , 9 , 7 Rule: Subtract 2

4. 7

**5)** Find the next number in the pattern.

64 , 32 , 16 , 8 Rule: Divide 2

5. 8

**6)** Find the next number in the pattern.

2 , 8 , 32 , 128 , 512 Rule: Multiply 4

6. 512

**7)** Find the next number in the pattern.

19 , 17 , 15 , 13 , 11 , 9 Rule: Subtract 2

7. 9

**8)** Find the next number in the pattern.

9 , 36 , 144 , 576 Rule: Multiply 4

8. 576

**9)** Find the next number in the pattern.

243 , 81 , 27 , 9 Rule: Divide 3

9. 9

**10)** Find the next number in the pattern.

5 , 10 , 15 , 20 , 25 Rule: Add 5

10. 25

**11)** Find the next number in the pattern.

3 , 15 , 75 , 375 Rule: Multiply 5

11. 375

**12)** Find the next number in the pattern.

21 , 17 , 13 , 9 , 5 Rule: Subtract 4

12. 5

**13)** Find the next number in the pattern.

3 , 6 , 12 , 24 Rule: Multiply 2

13. 24

**14)** Find the next number in the pattern.

1 , 6 , 11 , 16 , 21 , 26 Rule: Add 5

14. 26

**15)** Find the next number in the pattern.

648 , 216 , 72 , 24 , 8 Rule: Divide 3

15. 8

**Answers**





**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

7 , 17 , 27 , 37 , 47 , 57 , 67 , 77    **Rule: Add 10**

**Answers**

Ex. 77

**1)** Find the next number in the pattern.

40 , 20 , 10 , \_\_\_\_\_

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

**2)** Find the next number in the pattern.

7 , 21 , 63 , 189 , \_\_\_\_\_

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

**3)** Find the next number in the pattern.

6 , 18 , 54 , 162 , \_\_\_\_\_

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

**4)** Find the next number in the pattern.

24 , 22 , 20 , 18 , 16 , 14 , 12 , \_\_\_\_\_

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

**5)** Find the next number in the pattern.

31 , 25 , 19 , 13 , \_\_\_\_\_

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

**6)** Find the next number in the pattern.

14 , 12 , 10 , 8 , 6 , \_\_\_\_\_

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

**7)** Find the next number in the pattern.

10 , 12 , 14 , 16 , 18 , \_\_\_\_\_

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

**8)** Find the next number in the pattern.

729 , 243 , 81 , 27 , \_\_\_\_\_

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

**9)** Find the next number in the pattern.

23 , 18 , 13 , 8 , \_\_\_\_\_

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

**10)** Find the next number in the pattern.

2 , 6 , 18 , 54 , \_\_\_\_\_

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

**11)** Find the next number in the pattern.

216 , 72 , 24 , \_\_\_\_\_

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

**12)** Find the next number in the pattern.

6 , 16 , 26 , 36 , 46 , \_\_\_\_\_

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

**13)** Find the next number in the pattern.

16 , 8 , 4 , \_\_\_\_\_

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

**14)** Find the next number in the pattern.

3 , 9 , 27 , 81 , \_\_\_\_\_

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

**15)** Find the next number in the pattern.

4 , 10 , 16 , 22 , \_\_\_\_\_

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



**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

7, 17, 27, 37, 47, 57, 67, 77 Rule: Add 10

**1)** Find the next number in the pattern.

40, 20, 10, 5 Rule: Divide 2

**2)** Find the next number in the pattern.

7, 21, 63, 189, 567 Rule: Multiply 3

**3)** Find the next number in the pattern.

6, 18, 54, 162, 486 Rule: Multiply 3

**4)** Find the next number in the pattern.

24, 22, 20, 18, 16, 14, 12, 10 Rule: Subtract 2

**5)** Find the next number in the pattern.

31, 25, 19, 13, 7 Rule: Subtract 6

**6)** Find the next number in the pattern.

14, 12, 10, 8, 6, 4 Rule: Subtract 2

**7)** Find the next number in the pattern.

10, 12, 14, 16, 18, 20 Rule: Add 2

**8)** Find the next number in the pattern.

729, 243, 81, 27, 9 Rule: Divide 3

**9)** Find the next number in the pattern.

23, 18, 13, 8, 3 Rule: Subtract 5

**10)** Find the next number in the pattern.

2, 6, 18, 54, 162 Rule: Multiply 3

**11)** Find the next number in the pattern.

216, 72, 24, 8 Rule: Divide 3

**12)** Find the next number in the pattern.

6, 16, 26, 36, 46, 56 Rule: Add 10

**13)** Find the next number in the pattern.

16, 8, 4, 2 Rule: Divide 2

**14)** Find the next number in the pattern.

3, 9, 27, 81, 243 Rule: Multiply 3

**15)** Find the next number in the pattern.

4, 10, 16, 22, 28 Rule: Add 6

**Answers**

Ex. 77

1. 5

2. 567

3. 486

4. 10

5. 7

6. 4

7. 20

8. 9

9. 3

10. 162

11. 8

12. 56

13. 2

14. 243

15. 28



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

5 , 11 , 17 , 23 , 29 , 35    **Rule: Add 6**

Ex. 35

**1)** Find the next number in the pattern.

7 , 13 , 19 , 25 , 31 , \_\_\_\_\_

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

**2)** Find the next number in the pattern.

72 , 36 , 18 , \_\_\_\_\_

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

**3)** Find the next number in the pattern.

192 , 48 , 12 , \_\_\_\_\_

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

**4)** Find the next number in the pattern.

6 , 8 , 10 , 12 , 14 , 16 , \_\_\_\_\_

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

**5)** Find the next number in the pattern.

54 , 18 , 6 , \_\_\_\_\_

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

**6)** Find the next number in the pattern.

8 , 40 , 200 , 1,000 , \_\_\_\_\_

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

**7)** Find the next number in the pattern.

6 , 13 , 20 , 27 , 34 , 41 , \_\_\_\_\_

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

**8)** Find the next number in the pattern.

65 , 55 , 45 , 35 , 25 , 15 , \_\_\_\_\_

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

**9)** Find the next number in the pattern.

7 , 35 , 175 , \_\_\_\_\_

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

**10)** Find the next number in the pattern.

55 , 48 , 41 , 34 , 27 , 20 , 13 , \_\_\_\_\_

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

**11)** Find the next number in the pattern.

729 , 243 , 81 , 27 , \_\_\_\_\_

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

**12)** Find the next number in the pattern.

7 , 35 , 175 , 875 , \_\_\_\_\_

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

**13)** Find the next number in the pattern.

49 , 43 , 37 , 31 , 25 , 19 , 13 , \_\_\_\_\_

**14)** Find the next number in the pattern.

33 , 29 , 25 , 21 , 17 , 13 , 9 , \_\_\_\_\_

**15)** Find the next number in the pattern.

8 , 32 , 128 , \_\_\_\_\_



**Find the next number in the pattern.**

- Ex)** Find the next number in the pattern.  
 5 , 11 , 17 , 23 , 29 , 35 Rule: Add 6
- 1)** Find the next number in the pattern.  
 7 , 13 , 19 , 25 , 31 , 37 Rule: Add 6
- 2)** Find the next number in the pattern.  
 72 , 36 , 18 , 9 Rule: Divide 2
- 3)** Find the next number in the pattern.  
 192 , 48 , 12 , 3 Rule: Divide 4
- 4)** Find the next number in the pattern.  
 6 , 8 , 10 , 12 , 14 , 16 , 18 Rule: Add 2
- 5)** Find the next number in the pattern.  
 54 , 18 , 6 , 2 Rule: Divide 3
- 6)** Find the next number in the pattern.  
 8 , 40 , 200 , 1,000 , 5,000 Rule: Multiply 5
- 7)** Find the next number in the pattern.  
 6 , 13 , 20 , 27 , 34 , 41 , 48 Rule: Add 7
- 8)** Find the next number in the pattern.  
 65 , 55 , 45 , 35 , 25 , 15 , 5 Rule: Subtract 10
- 9)** Find the next number in the pattern.  
 7 , 35 , 175 , 875 Rule: Multiply 5
- 10)** Find the next number in the pattern.  
 55 , 48 , 41 , 34 , 27 , 20 , 13 , 6 Rule: Subtract 7
- 11)** Find the next number in the pattern.  
 729 , 243 , 81 , 27 , 9 Rule: Divide 3
- 12)** Find the next number in the pattern.  
 7 , 35 , 175 , 875 , 4,375 Rule: Multiply 5
- 13)** Find the next number in the pattern.  
 49 , 43 , 37 , 31 , 25 , 19 , 13 , 7 Rule: Subtract 6
- 14)** Find the next number in the pattern.  
 33 , 29 , 25 , 21 , 17 , 13 , 9 , 5 Rule: Subtract 4
- 15)** Find the next number in the pattern.  
 8 , 32 , 128 , 512 Rule: Multiply 4

**Answers**

- Ex. 35
1. 37
2. 9
3. 3
4. 18
5. 2
6. 5,000
7. 48
8. 5
9. 875
10. 6
11. 9
12. 4,375
13. 7
14. 5
15. 512



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

2 , 9 , 16 , 23 , 30 , 37    **Rule: Add 7**

Ex. 37

**1)** Find the next number in the pattern.

8 , 16 , 32 , 64 , \_\_\_\_\_

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

**2)** Find the next number in the pattern.

49 , 41 , 33 , 25 , 17 , \_\_\_\_\_

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

**3)** Find the next number in the pattern.

135 , 45 , 15 , \_\_\_\_\_

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

**4)** Find the next number in the pattern.

5 , 20 , 80 , 320 , \_\_\_\_\_

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

**5)** Find the next number in the pattern.

3 , 6 , 12 , \_\_\_\_\_

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

**6)** Find the next number in the pattern.

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

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

**7)** Find the next number in the pattern.

33 , 25 , 17 , 9 , \_\_\_\_\_

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

**8)** Find the next number in the pattern.

6 , 12 , 24 , \_\_\_\_\_

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

**9)** Find the next number in the pattern.

38 , 29 , 20 , 11 , \_\_\_\_\_

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

**10)** Find the next number in the pattern.

1 , 10 , 19 , 28 , 37 , 46 , \_\_\_\_\_

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

**11)** Find the next number in the pattern.

5 , 9 , 13 , 17 , 21 , \_\_\_\_\_

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

**12)** Find the next number in the pattern.

405 , 135 , 45 , 15 , \_\_\_\_\_

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

**13)** Find the next number in the pattern.

27 , 24 , 21 , 18 , 15 , 12 , 9 , \_\_\_\_\_

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

**14)** Find the next number in the pattern.

729 , 243 , 81 , 27 , \_\_\_\_\_

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

**15)** Find the next number in the pattern.

64 , 32 , 16 , \_\_\_\_\_

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



**Find the next number in the pattern.**

- Ex)** Find the next number in the pattern.  
 2 , 9 , 16 , 23 , 30 , 37 Rule: Add 7
- 1)** Find the next number in the pattern.  
 8 , 16 , 32 , 64 , 128 Rule: Multiply 2
- 2)** Find the next number in the pattern.  
 49 , 41 , 33 , 25 , 17 , 9 Rule: Subtract 8
- 3)** Find the next number in the pattern.  
 135 , 45 , 15 , 5 Rule: Divide 3
- 4)** Find the next number in the pattern.  
 5 , 20 , 80 , 320 , 1,280 Rule: Multiply 4
- 5)** Find the next number in the pattern.  
 3 , 6 , 12 , 24 Rule: Multiply 2
- 6)** Find the next number in the pattern.  
 5 , 15 , 25 , 35 , 45 , 55 , 65 , 75 Rule: Add 10
- 7)** Find the next number in the pattern.  
 33 , 25 , 17 , 9 , 1 Rule: Subtract 8
- 8)** Find the next number in the pattern.  
 6 , 12 , 24 , 48 Rule: Multiply 2
- 9)** Find the next number in the pattern.  
 38 , 29 , 20 , 11 , 2 Rule: Subtract 9
- 10)** Find the next number in the pattern.  
 1 , 10 , 19 , 28 , 37 , 46 , 55 Rule: Add 9
- 11)** Find the next number in the pattern.  
 5 , 9 , 13 , 17 , 21 , 25 Rule: Add 4
- 12)** Find the next number in the pattern.  
 405 , 135 , 45 , 15 , 5 Rule: Divide 3
- 13)** Find the next number in the pattern.  
 27 , 24 , 21 , 18 , 15 , 12 , 9 , 6 Rule: Subtract 3
- 14)** Find the next number in the pattern.  
 729 , 243 , 81 , 27 , 9 Rule: Divide 3
- 15)** Find the next number in the pattern.  
 64 , 32 , 16 , 8 Rule: Divide 2

**Answers**

- Ex. 37
1. 128
2. 9
3. 5
4. 1,280
5. 24
6. 75
7. 1
8. 48
9. 2
10. 55
11. 25
12. 5
13. 6
14. 9
15. 8



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

1,024 , 256 , 64 , 16 , 4     **Rule: Divide 4**

Ex. 4

**1)** Find the next number in the pattern.

62 , 52 , 42 , 32 , 22 , 12 , \_\_\_\_\_

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

**2)** Find the next number in the pattern.

3 , 7 , 11 , 15 , \_\_\_\_\_

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

**3)** Find the next number in the pattern.

5 , 12 , 19 , 26 , 33 , 40 , \_\_\_\_\_

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

**4)** Find the next number in the pattern.

9 , 16 , 23 , 30 , 37 , 44 , \_\_\_\_\_

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

**5)** Find the next number in the pattern.

8 , 12 , 16 , 20 , \_\_\_\_\_

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

**6)** Find the next number in the pattern.

38 , 29 , 20 , 11 , \_\_\_\_\_

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

**7)** Find the next number in the pattern.

162 , 54 , 18 , \_\_\_\_\_

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

**8)** Find the next number in the pattern.

2 , 10 , 50 , 250 , \_\_\_\_\_

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

**9)** Find the next number in the pattern.

9 , 36 , 144 , \_\_\_\_\_

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

**10)** Find the next number in the pattern.

30 , 26 , 22 , 18 , 14 , \_\_\_\_\_

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

**11)** Find the next number in the pattern.

64 , 32 , 16 , 8 , \_\_\_\_\_

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

**12)** Find the next number in the pattern.

2 , 4 , 8 , 16 , \_\_\_\_\_

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

**13)** Find the next number in the pattern.

512 , 128 , 32 , \_\_\_\_\_

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

**14)** Find the next number in the pattern.

59 , 50 , 41 , 32 , 23 , 14 , \_\_\_\_\_

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

**15)** Find the next number in the pattern.

5 , 20 , 80 , \_\_\_\_\_

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



**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

1,024 , 256 , 64 , 16 , 4 Rule: Divide 4

Ex. 4

**1)** Find the next number in the pattern.

62 , 52 , 42 , 32 , 22 , 12 , 2 Rule: Subtract 10

1. 2

**2)** Find the next number in the pattern.

3 , 7 , 11 , 15 , 19 Rule: Add 4

2. 19

**3)** Find the next number in the pattern.

5 , 12 , 19 , 26 , 33 , 40 , 47 Rule: Add 7

3. 47

**4)** Find the next number in the pattern.

9 , 16 , 23 , 30 , 37 , 44 , 51 Rule: Add 7

4. 51

**5)** Find the next number in the pattern.

8 , 12 , 16 , 20 , 24 Rule: Add 4

5. 24

**6)** Find the next number in the pattern.

38 , 29 , 20 , 11 , 2 Rule: Subtract 9

6. 2

**7)** Find the next number in the pattern.

162 , 54 , 18 , 6 Rule: Divide 3

7. 6

**8)** Find the next number in the pattern.

2 , 10 , 50 , 250 , 1,250 Rule: Multiply 5

8. 1,250

**9)** Find the next number in the pattern.

9 , 36 , 144 , 576 Rule: Multiply 4

9. 576

**10)** Find the next number in the pattern.

30 , 26 , 22 , 18 , 14 , 10 Rule: Subtract 4

10. 10

**11)** Find the next number in the pattern.

64 , 32 , 16 , 8 , 4 Rule: Divide 2

11. 4

**12)** Find the next number in the pattern.

2 , 4 , 8 , 16 , 32 Rule: Multiply 2

12. 32

**13)** Find the next number in the pattern.

512 , 128 , 32 , 8 Rule: Divide 4

13. 8

**14)** Find the next number in the pattern.

59 , 50 , 41 , 32 , 23 , 14 , 5 Rule: Subtract 9

14. 5

**15)** Find the next number in the pattern.

5 , 20 , 80 , 320 Rule: Multiply 4

15. 320

**Answers**





**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

8 , 24 , 72 , 216 , 648 Rule: Multiply 3

Ex. 648

**1)** Find the next number in the pattern.

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

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

**2)** Find the next number in the pattern.

162 , 54 , 18 , \_\_\_\_\_

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

**3)** Find the next number in the pattern.

108 , 36 , 12 , \_\_\_\_\_

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

**4)** Find the next number in the pattern.

2,304 , 576 , 144 , 36 , \_\_\_\_\_

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

**5)** Find the next number in the pattern.

21 , 17 , 13 , 9 , 5 , \_\_\_\_\_

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

**6)** Find the next number in the pattern.

58 , 48 , 38 , 28 , 18 , \_\_\_\_\_

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

**7)** Find the next number in the pattern.

1,280 , 320 , 80 , 20 , \_\_\_\_\_

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

**8)** Find the next number in the pattern.

2 , 12 , 22 , 32 , 42 , 52 , \_\_\_\_\_

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

**9)** Find the next number in the pattern.

5 , 15 , 45 , 135 , \_\_\_\_\_

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

**10)** Find the next number in the pattern.

5 , 11 , 17 , 23 , 29 , 35 , \_\_\_\_\_

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

**11)** Find the next number in the pattern.

40 , 35 , 30 , 25 , 20 , 15 , \_\_\_\_\_

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

**12)** Find the next number in the pattern.

3 , 12 , 21 , 30 , \_\_\_\_\_

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

**13)** Find the next number in the pattern.

77 , 67 , 57 , 47 , 37 , 27 , 17 , \_\_\_\_\_

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

**14)** Find the next number in the pattern.

4 , 16 , 64 , \_\_\_\_\_

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

**15)** Find the next number in the pattern.

2 , 10 , 50 , 250 , \_\_\_\_\_

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



**Find the next number in the pattern.**

- Ex)** Find the next number in the pattern.  
 8 , 24 , 72 , 216 , 648 Rule: Multiply 3
- 1)** Find the next number in the pattern.  
 4 , 6 , 8 , 10 , 12 , 14 , 16 , 18 Rule: Add 2
- 2)** Find the next number in the pattern.  
 162 , 54 , 18 , 6 Rule: Divide 3
- 3)** Find the next number in the pattern.  
 108 , 36 , 12 , 4 Rule: Divide 3
- 4)** Find the next number in the pattern.  
 2,304 , 576 , 144 , 36 , 9 Rule: Divide 4
- 5)** Find the next number in the pattern.  
 21 , 17 , 13 , 9 , 5 , 1 Rule: Subtract 4
- 6)** Find the next number in the pattern.  
 58 , 48 , 38 , 28 , 18 , 8 Rule: Subtract 10
- 7)** Find the next number in the pattern.  
 1,280 , 320 , 80 , 20 , 5 Rule: Divide 4
- 8)** Find the next number in the pattern.  
 2 , 12 , 22 , 32 , 42 , 52 , 62 Rule: Add 10
- 9)** Find the next number in the pattern.  
 5 , 15 , 45 , 135 , 405 Rule: Multiply 3
- 10)** Find the next number in the pattern.  
 5 , 11 , 17 , 23 , 29 , 35 , 41 Rule: Add 6
- 11)** Find the next number in the pattern.  
 40 , 35 , 30 , 25 , 20 , 15 , 10 Rule: Subtract 5
- 12)** Find the next number in the pattern.  
 3 , 12 , 21 , 30 , 39 Rule: Add 9
- 13)** Find the next number in the pattern.  
 77 , 67 , 57 , 47 , 37 , 27 , 17 , 7 Rule: Subtract 10
- 14)** Find the next number in the pattern.  
 4 , 16 , 64 , 256 Rule: Multiply 4
- 15)** Find the next number in the pattern.  
 2 , 10 , 50 , 250 , 1,250 Rule: Multiply 5

**Answers**

- Ex. 648
1. 18
2. 6
3. 4
4. 9
5. 1
6. 8
7. 5
8. 62
9. 405
10. 41
11. 10
12. 39
13. 7
14. 256
15. 1,250



**Find the next number in the pattern.**

**Answers**

**Ex)** Find the next number in the pattern.

192 , 48 , 12 , 3    **Rule: Divide 4**

Ex. 3

**1)** Find the next number in the pattern.

9 , 18 , 27 , 36 , \_\_\_\_\_

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

**2)** Find the next number in the pattern.

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

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

**3)** Find the next number in the pattern.

17 , 15 , 13 , 11 , 9 , \_\_\_\_\_

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

**4)** Find the next number in the pattern.

8 , 24 , 72 , \_\_\_\_\_

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

**5)** Find the next number in the pattern.

1 , 11 , 21 , 31 , 41 , 51 , 61 , \_\_\_\_\_

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

**6)** Find the next number in the pattern.

6 , 18 , 54 , \_\_\_\_\_

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

**7)** Find the next number in the pattern.

49 , 40 , 31 , 22 , 13 , \_\_\_\_\_

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

**8)** Find the next number in the pattern.

9 , 45 , 225 , \_\_\_\_\_

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

**9)** Find the next number in the pattern.

512 , 128 , 32 , \_\_\_\_\_

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

**10)** Find the next number in the pattern.

96 , 48 , 24 , 12 , \_\_\_\_\_

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

**11)** Find the next number in the pattern.

54 , 18 , 6 , \_\_\_\_\_

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

**12)** Find the next number in the pattern.

4 , 12 , 20 , 28 , 36 , 44 , \_\_\_\_\_

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

**13)** Find the next number in the pattern.

1 , 3 , 5 , 7 , 9 , \_\_\_\_\_

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

**14)** Find the next number in the pattern.

6 , 30 , 150 , \_\_\_\_\_

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

**15)** Find the next number in the pattern.

20 , 17 , 14 , 11 , 8 , \_\_\_\_\_

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



**Find the next number in the pattern.**

**Ex)** Find the next number in the pattern.

192 , 48 , 12 , 3 Rule: Divide 4

Ex. 3

**1)** Find the next number in the pattern.

9 , 18 , 27 , 36 , 45 Rule: Add 9

1. 45

**2)** Find the next number in the pattern.

39 , 34 , 29 , 24 , 19 , 14 , 9 , 4 Rule: Subtract 5

2. 4

**3)** Find the next number in the pattern.

17 , 15 , 13 , 11 , 9 , 7 Rule: Subtract 2

3. 7

**4)** Find the next number in the pattern.

8 , 24 , 72 , 216 Rule: Multiply 3

4. 216

**5)** Find the next number in the pattern.

1 , 11 , 21 , 31 , 41 , 51 , 61 , 71 Rule: Add 10

5. 71

**6)** Find the next number in the pattern.

6 , 18 , 54 , 162 Rule: Multiply 3

6. 162

**7)** Find the next number in the pattern.

49 , 40 , 31 , 22 , 13 , 4 Rule: Subtract 9

7. 4

**8)** Find the next number in the pattern.

9 , 45 , 225 , 1,125 Rule: Multiply 5

8. 1,125

**9)** Find the next number in the pattern.

512 , 128 , 32 , 8 Rule: Divide 4

9. 8

**10)** Find the next number in the pattern.

96 , 48 , 24 , 12 , 6 Rule: Divide 2

10. 6

**11)** Find the next number in the pattern.

54 , 18 , 6 , 2 Rule: Divide 3

11. 2

**12)** Find the next number in the pattern.

4 , 12 , 20 , 28 , 36 , 44 , 52 Rule: Add 8

12. 52

**13)** Find the next number in the pattern.

1 , 3 , 5 , 7 , 9 , 11 Rule: Add 2

13. 11

**14)** Find the next number in the pattern.

6 , 30 , 150 , 750 Rule: Multiply 5

14. 750

**15)** Find the next number in the pattern.

20 , 17 , 14 , 11 , 8 , 5 Rule: Subtract 3

15. 5

**Answers**