



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

Ex) 5000 , 1000 , 200 , 40 , 8    Rule: Divide 5

**Answers**

Ex. 8

1) 3 , 10 , 17 , 24 , \_\_\_\_\_

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

2) 324 , 108 , 36 , 12 , \_\_\_\_\_

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

3) 80 , 40 , 20 , 10 , \_\_\_\_\_

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

4) 2 , 6 , 18 , 54 , \_\_\_\_\_

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

5) 2 , 8 , 14 , 20 , 26 , 32 , \_\_\_\_\_

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

6) 36 , 31 , 26 , 21 , 16 , 11 , 6 , \_\_\_\_\_

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

7) 48 , 24 , 12 , 6 , \_\_\_\_\_

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

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

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

9) 12 , 10 , 8 , 6 , 4 , \_\_\_\_\_

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

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

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

11) 3 , 6 , 12 , 24 , \_\_\_\_\_

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

12) 78 , 68 , 58 , 48 , 38 , 28 , 18 , \_\_\_\_\_

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

13) 33 , 28 , 23 , 18 , 13 , 8 , \_\_\_\_\_

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

14) 9 , 14 , 19 , 24 , \_\_\_\_\_

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

15) 4 , 8 , 16 , 32 , \_\_\_\_\_

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



Find the next number in the pattern.

Ex) 5000 , 1000 , 200 , 40 , 8 Rule: Divide 5

1) 3 , 10 , 17 , 24 , 31 Rule: Add 7

2) 324 , 108 , 36 , 12 , 4 Rule: Divide 3

3) 80 , 40 , 20 , 10 , 5 Rule: Divide 2

4) 2 , 6 , 18 , 54 , 162 Rule: Multiply 3

5) 2 , 8 , 14 , 20 , 26 , 32 , 38 Rule: Add 6

6) 36 , 31 , 26 , 21 , 16 , 11 , 6 , 1 Rule: Subtract 5

7) 48 , 24 , 12 , 6 , 3 Rule: Divide 2

8) 10 , 12 , 14 , 16 , 18 , 20 Rule: Add 2

9) 12 , 10 , 8 , 6 , 4 , 2 Rule: Subtract 2

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

11) 3 , 6 , 12 , 24 , 48 Rule: Multiply 2

12) 78 , 68 , 58 , 48 , 38 , 28 , 18 , 8 Rule: Subtract 10

13) 33 , 28 , 23 , 18 , 13 , 8 , 3 Rule: Subtract 5

14) 9 , 14 , 19 , 24 , 29 Rule: Add 5

15) 4 , 8 , 16 , 32 , 64 Rule: Multiply 2

Answers

Ex. 8

1. 31

2. 4

3. 5

4. 162

5. 38

6. 1

7. 3

8. 20

9. 2

10. 1,250

11. 48

12. 8

13. 3

14. 29

15. 64



Find the next number in the pattern.

Ex) 1, 3, 5, 7, 9 Rule: Add 2

**Answers**

Ex. 9

1) 5, 15, 25, 35, 45, \_\_\_\_\_

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

2) 3, 12, 21, 30, 39, \_\_\_\_\_

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

3) 500, 100, 20, \_\_\_\_\_

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

4) 40, 31, 22, 13, \_\_\_\_\_

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

5) 3, 7, 11, 15, 19, \_\_\_\_\_

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

6) 1875, 375, 75, 15, \_\_\_\_\_

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

7) 18, 16, 14, 12, 10, \_\_\_\_\_

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

8) 1280, 320, 80, 20, \_\_\_\_\_

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

9) 9, 36, 144, 576, \_\_\_\_\_

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

10) 81, 27, 9, \_\_\_\_\_

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

11) 8, 24, 72, \_\_\_\_\_

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

12) 30, 25, 20, 15, \_\_\_\_\_

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

13) 4, 8, 16, 32, \_\_\_\_\_

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

14) 3, 6, 12, \_\_\_\_\_

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

15) 15, 12, 9, 6, \_\_\_\_\_

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



Find the next number in the pattern.

- Ex) 1, 3, 5, 7, 9 Rule: Add 2
- 1) 5, 15, 25, 35, 45, 55 Rule: Add 10
- 2) 3, 12, 21, 30, 39, 48 Rule: Add 9
- 3) 500, 100, 20, 4 Rule: Divide 5
- 4) 40, 31, 22, 13, 4 Rule: Subtract 9
- 5) 3, 7, 11, 15, 19, 23 Rule: Add 4
- 6) 1875, 375, 75, 15, 3 Rule: Divide 5
- 7) 18, 16, 14, 12, 10, 8 Rule: Subtract 2
- 8) 1280, 320, 80, 20, 5 Rule: Divide 4
- 9) 9, 36, 144, 576, 2,304 Rule: Multiply 4
- 10) 81, 27, 9, 3 Rule: Divide 3
- 11) 8, 24, 72, 216 Rule: Multiply 3
- 12) 30, 25, 20, 15, 10 Rule: Subtract 5
- 13) 4, 8, 16, 32, 64 Rule: Multiply 2
- 14) 3, 6, 12, 24 Rule: Multiply 2
- 15) 15, 12, 9, 6, 3 Rule: Subtract 3

Answers

- Ex. 9
1. 55
2. 48
3. 4
4. 4
5. 23
6. 3
7. 8
8. 5
9. 2,304
10. 3
11. 216
12. 10
13. 64
14. 24
15. 3



Find the next number in the pattern.

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

Answers

Ex. 96

1) 17, 14, 11, 8, \_\_\_\_\_

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

2) 40, 20, 10, \_\_\_\_\_

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

3) 7, 16, 25, 34, \_\_\_\_\_

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

4) 3, 15, 75, \_\_\_\_\_

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

5) 25, 21, 17, 13, 9, 5, \_\_\_\_\_

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

6) 45, 37, 29, 21, 13, \_\_\_\_\_

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

7) 10, 17, 24, 31, 38, 45, \_\_\_\_\_

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

8) 48, 24, 12, 6, \_\_\_\_\_

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

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

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

10) 250, 50, 10, \_\_\_\_\_

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

11) 5, 20, 80, 320, \_\_\_\_\_

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

12) 6, 24, 96, \_\_\_\_\_

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

13) 64, 32, 16, 8, \_\_\_\_\_

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

14) 6, 14, 22, 30, \_\_\_\_\_

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

15) 48, 38, 28, 18, \_\_\_\_\_

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



Find the next number in the pattern.

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

1) 17, 14, 11, 8, 5 Rule: Subtract 3

2) 40, 20, 10, 5 Rule: Divide 2

3) 7, 16, 25, 34, 43 Rule: Add 9

4) 3, 15, 75, 375 Rule: Multiply 5

5) 25, 21, 17, 13, 9, 5, 1 Rule: Subtract 4

6) 45, 37, 29, 21, 13, 5 Rule: Subtract 8

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

8) 48, 24, 12, 6, 3 Rule: Divide 2

9) 9, 11, 13, 15, 17, 19, 21 Rule: Add 2

10) 250, 50, 10, 2 Rule: Divide 5

11) 5, 20, 80, 320, 1,280 Rule: Multiply 4

12) 6, 24, 96, 384 Rule: Multiply 4

13) 64, 32, 16, 8, 4 Rule: Divide 2

14) 6, 14, 22, 30, 38 Rule: Add 8

15) 48, 38, 28, 18, 8 Rule: Subtract 10

Answers

Ex. 96

1. 5

2. 5

3. 43

4. 375

5. 1

6. 5

7. 52

8. 3

9. 21

10. 2

11. 1,280

12. 384

13. 4

14. 38

15. 8



Find the next number in the pattern.

Ex) 8, 40, 200, 1,000 Rule: Multiply 5

**Answers**

Ex. 1,000

1) 2, 11, 20, 29, 38, 47, 56, \_\_\_\_\_

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

2) 243, 81, 27, 9, \_\_\_\_\_

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

3) 2, 7, 12, 17, \_\_\_\_\_

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

4) 512, 128, 32, \_\_\_\_\_

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

5) 32, 26, 20, 14, 8, \_\_\_\_\_

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

6) 3125, 625, 125, 25, \_\_\_\_\_

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

7) 5, 15, 25, 35, 45, 55, 65, \_\_\_\_\_

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

8) 31, 25, 19, 13, 7, \_\_\_\_\_

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

9) 5, 15, 45, \_\_\_\_\_

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

10) 4, 20, 100, 500, \_\_\_\_\_

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

11) 4, 11, 18, 25, 32, 39, \_\_\_\_\_

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

12) 21, 18, 15, 12, 9, 6, \_\_\_\_\_

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

13) 9, 36, 144, 576, \_\_\_\_\_

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

14) 13, 10, 7, 4, \_\_\_\_\_

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

15) 729, 243, 81, 27, \_\_\_\_\_

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



Find the next number in the pattern.

- Ex) 8 , 40 , 200 , 1,000 Rule: Multiply 5
- 1) 2 , 11 , 20 , 29 , 38 , 47 , 56 , 65 Rule: Add 9
- 2) 243 , 81 , 27 , 9 , 3 Rule: Divide 3
- 3) 2 , 7 , 12 , 17 , 22 Rule: Add 5
- 4) 512 , 128 , 32 , 8 Rule: Divide 4
- 5) 32 , 26 , 20 , 14 , 8 , 2 Rule: Subtract 6
- 6) 3125 , 625 , 125 , 25 , 5 Rule: Divide 5
- 7) 5 , 15 , 25 , 35 , 45 , 55 , 65 , 75 Rule: Add 10
- 8) 31 , 25 , 19 , 13 , 7 , 1 Rule: Subtract 6
- 9) 5 , 15 , 45 , 135 Rule: Multiply 3
- 10) 4 , 20 , 100 , 500 , 2,500 Rule: Multiply 5
- 11) 4 , 11 , 18 , 25 , 32 , 39 , 46 Rule: Add 7
- 12) 21 , 18 , 15 , 12 , 9 , 6 , 3 Rule: Subtract 3
- 13) 9 , 36 , 144 , 576 , 2,304 Rule: Multiply 4
- 14) 13 , 10 , 7 , 4 , 1 Rule: Subtract 3
- 15) 729 , 243 , 81 , 27 , 9 Rule: Divide 3

**Answers**

- Ex. 1,000
1. 65
2. 3
3. 22
4. 8
5. 2
6. 5
7. 75
8. 1
9. 135
10. 2,500
11. 46
12. 3
13. 2,304
14. 1
15. 9





Find the next number in the pattern.

Ex) 2, 11, 20, 29, 38 Rule: Add 9

**Answers**

Ex. 38

1) 3125, 625, 125, 25, \_\_\_\_\_

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

2) 72, 36, 18, \_\_\_\_\_

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

3) 5, 10, 20, \_\_\_\_\_

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

4) 3, 8, 13, 18, 23, \_\_\_\_\_

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

5) 18, 16, 14, 12, 10, 8, \_\_\_\_\_

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

6) 1125, 225, 45, \_\_\_\_\_

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

7) 20, 18, 16, 14, 12, 10, 8, \_\_\_\_\_

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

8) 162, 54, 18, \_\_\_\_\_

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

9) 70, 60, 50, 40, 30, 20, \_\_\_\_\_

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

10) 3, 6, 12, \_\_\_\_\_

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

11) 3, 15, 75, \_\_\_\_\_

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

12) 5, 8, 11, 14, \_\_\_\_\_

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

13) 7, 17, 27, 37, 47, 57, 67, \_\_\_\_\_

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

14) 36, 29, 22, 15, 8, \_\_\_\_\_

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

15) 5, 20, 80, \_\_\_\_\_

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



Find the next number in the pattern.

- Ex) 2, 11, 20, 29, 38 Rule: Add 9
- 1) 3125, 625, 125, 25, 5 Rule: Divide 5
- 2) 72, 36, 18, 9 Rule: Divide 2
- 3) 5, 10, 20, 40 Rule: Multiply 2
- 4) 3, 8, 13, 18, 23, 28 Rule: Add 5
- 5) 18, 16, 14, 12, 10, 8, 6 Rule: Subtract 2
- 6) 1125, 225, 45, 9 Rule: Divide 5
- 7) 20, 18, 16, 14, 12, 10, 8, 6 Rule: Subtract 2
- 8) 162, 54, 18, 6 Rule: Divide 3
- 9) 70, 60, 50, 40, 30, 20, 10 Rule: Subtract 10
- 10) 3, 6, 12, 24 Rule: Multiply 2
- 11) 3, 15, 75, 375 Rule: Multiply 5
- 12) 5, 8, 11, 14, 17 Rule: Add 3
- 13) 7, 17, 27, 37, 47, 57, 67, 77 Rule: Add 10
- 14) 36, 29, 22, 15, 8, 1 Rule: Subtract 7
- 15) 5, 20, 80, 320 Rule: Multiply 4

Answers

- Ex. 38
1. 5
2. 9
3. 40
4. 28
5. 6
6. 9
7. 6
8. 6
9. 10
10. 24
11. 375
12. 17
13. 77
14. 1
15. 320



Find the next number in the pattern.

Ex) 3, 12, 21, 30, 39 Rule: Add 9

**Answers**

Ex. 39

1) 15, 13, 11, 9, 7, \_\_\_\_\_

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

2) 80, 40, 20, 10, \_\_\_\_\_

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

3) 448, 112, 28, \_\_\_\_\_

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

4) 3125, 625, 125, 25, \_\_\_\_\_

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

5) 9, 18, 36, 72, \_\_\_\_\_

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

6) 2, 9, 16, 23, 30, 37, \_\_\_\_\_

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

7) 50, 44, 38, 32, 26, 20, 14, \_\_\_\_\_

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

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

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

9) 8, 16, 32, 64, \_\_\_\_\_

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

10) 29, 22, 15, 8, \_\_\_\_\_

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

11) 1125, 225, 45, \_\_\_\_\_

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

12) 7, 35, 175, 875, \_\_\_\_\_

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

13) 45, 39, 33, 27, 21, 15, \_\_\_\_\_

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

14) 3, 10, 17, 24, 31, 38, 45, \_\_\_\_\_

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

15) 7, 35, 175, \_\_\_\_\_

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



Find the next number in the pattern.

- Ex) 3, 12, 21, 30, 39 Rule: Add 9
- 1) 15, 13, 11, 9, 7, 5 Rule: Subtract 2
- 2) 80, 40, 20, 10, 5 Rule: Divide 2
- 3) 448, 112, 28, 7 Rule: Divide 4
- 4) 3125, 625, 125, 25, 5 Rule: Divide 5
- 5) 9, 18, 36, 72, 144 Rule: Multiply 2
- 6) 2, 9, 16, 23, 30, 37, 44 Rule: Add 7
- 7) 50, 44, 38, 32, 26, 20, 14, 8 Rule: Subtract 6
- 8) 8, 13, 18, 23, 28 Rule: Add 5
- 9) 8, 16, 32, 64, 128 Rule: Multiply 2
- 10) 29, 22, 15, 8, 1 Rule: Subtract 7
- 11) 1125, 225, 45, 9 Rule: Divide 5
- 12) 7, 35, 175, 875, 4,375 Rule: Multiply 5
- 13) 45, 39, 33, 27, 21, 15, 9 Rule: Subtract 6
- 14) 3, 10, 17, 24, 31, 38, 45, 52 Rule: Add 7
- 15) 7, 35, 175, 875 Rule: Multiply 5

Answers

- Ex. 39
1. 5
2. 5
3. 7
4. 5
5. 144
6. 44
7. 8
8. 28
9. 128
10. 1
11. 9
12. 4,375
13. 9
14. 52
15. 875



Find the next number in the pattern.

Ex) 47, 38, 29, 20, 11, 2 Rule: Subtract 9

Answers

Ex. 2

1) 1875, 375, 75, 15, \_\_\_\_\_

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

2) 3, 12, 21, 30, 39, 48, 57, \_\_\_\_\_

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

3) 3750, 750, 150, 30, \_\_\_\_\_

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

4) 3, 9, 27, 81, \_\_\_\_\_

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

5) 2, 10, 50, \_\_\_\_\_

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

6) 30, 24, 18, 12, \_\_\_\_\_

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

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

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

8) 112, 56, 28, 14, \_\_\_\_\_

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

9) 11, 9, 7, 5, 3, \_\_\_\_\_

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

10) 567, 189, 63, 21, \_\_\_\_\_

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

11) 6, 18, 54, 162, \_\_\_\_\_

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

12) 7, 13, 19, 25, 31, 37, \_\_\_\_\_

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

13) 5, 7, 9, 11, \_\_\_\_\_

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

14) 48, 39, 30, 21, 12, \_\_\_\_\_

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

15) 3, 11, 19, 27, 35, 43, 51, \_\_\_\_\_

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



Find the next number in the pattern.

- Ex) 47 , 38 , 29 , 20 , 11 , 2 Rule: Subtract 9
- 1) 1875 , 375 , 75 , 15 , 3 Rule: Divide 5
- 2) 3 , 12 , 21 , 30 , 39 , 48 , 57 , 66 Rule: Add 9
- 3) 3750 , 750 , 150 , 30 , 6 Rule: Divide 5
- 4) 3 , 9 , 27 , 81 , 243 Rule: Multiply 3
- 5) 2 , 10 , 50 , 250 Rule: Multiply 5
- 6) 30 , 24 , 18 , 12 , 6 Rule: Subtract 6
- 7) 7 , 14 , 28 , 56 Rule: Multiply 2
- 8) 112 , 56 , 28 , 14 , 7 Rule: Divide 2
- 9) 11 , 9 , 7 , 5 , 3 , 1 Rule: Subtract 2
- 10) 567 , 189 , 63 , 21 , 7 Rule: Divide 3
- 11) 6 , 18 , 54 , 162 , 486 Rule: Multiply 3
- 12) 7 , 13 , 19 , 25 , 31 , 37 , 43 Rule: Add 6
- 13) 5 , 7 , 9 , 11 , 13 Rule: Add 2
- 14) 48 , 39 , 30 , 21 , 12 , 3 Rule: Subtract 9
- 15) 3 , 11 , 19 , 27 , 35 , 43 , 51 , 59 Rule: Add 8

Answers

- Ex. 2
1. 3
2. 66
3. 6
4. 243
5. 250
6. 6
7. 56
8. 7
9. 1
10. 7
11. 486
12. 43
13. 13
14. 3
15. 59



Find the next number in the pattern.

Ex) 5 , 25 , 125 , 625 , 3,125 Rule: Multiply 5

**Answers**

Ex. 3,125

1) 7 , 35 , 175 , 875 , \_\_\_\_\_

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

2) 3 , 11 , 19 , 27 , 35 , 43 , 51 , \_\_\_\_\_

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

3) 324 , 108 , 36 , 12 , \_\_\_\_\_

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

4) 1536 , 384 , 96 , 24 , \_\_\_\_\_

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

5) 34 , 29 , 24 , 19 , 14 , \_\_\_\_\_

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

6) 6 , 10 , 14 , 18 , \_\_\_\_\_

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

7) 66 , 57 , 48 , 39 , 30 , 21 , 12 , \_\_\_\_\_

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

8) 1875 , 375 , 75 , 15 , \_\_\_\_\_

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

9) 2 , 9 , 16 , 23 , \_\_\_\_\_

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

10) 37 , 32 , 27 , 22 , 17 , 12 , 7 , \_\_\_\_\_

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

11) 768 , 192 , 48 , 12 , \_\_\_\_\_

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

12) 33 , 28 , 23 , 18 , 13 , 8 , \_\_\_\_\_

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

13) 7 , 17 , 27 , 37 , \_\_\_\_\_

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

14) 8 , 32 , 128 , \_\_\_\_\_

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

15) 9 , 18 , 36 , \_\_\_\_\_

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



Find the next number in the pattern.

- Ex) 5 , 25 , 125 , 625 , 3,125 Rule: Multiply 5
- 1) 7 , 35 , 175 , 875 , 4,375 Rule: Multiply 5
- 2) 3 , 11 , 19 , 27 , 35 , 43 , 51 , 59 Rule: Add 8
- 3) 324 , 108 , 36 , 12 , 4 Rule: Divide 3
- 4) 1536 , 384 , 96 , 24 , 6 Rule: Divide 4
- 5) 34 , 29 , 24 , 19 , 14 , 9 Rule: Subtract 5
- 6) 6 , 10 , 14 , 18 , 22 Rule: Add 4
- 7) 66 , 57 , 48 , 39 , 30 , 21 , 12 , 3 Rule: Subtract 9
- 8) 1875 , 375 , 75 , 15 , 3 Rule: Divide 5
- 9) 2 , 9 , 16 , 23 , 30 Rule: Add 7
- 10) 37 , 32 , 27 , 22 , 17 , 12 , 7 , 2 Rule: Subtract 5
- 11) 768 , 192 , 48 , 12 , 3 Rule: Divide 4
- 12) 33 , 28 , 23 , 18 , 13 , 8 , 3 Rule: Subtract 5
- 13) 7 , 17 , 27 , 37 , 47 Rule: Add 10
- 14) 8 , 32 , 128 , 512 Rule: Multiply 4
- 15) 9 , 18 , 36 , 72 Rule: Multiply 2

Answers

- Ex. 3,125
1. 4,375
2. 59
3. 4
4. 6
5. 9
6. 22
7. 3
8. 3
9. 30
10. 2
11. 3
12. 3
13. 47
14. 512
15. 72





Find the next number in the pattern.

Ex) 128 , 32 , 8 , 2 Rule: Divide 4

Answers

Ex. 2

1) 5 , 10 , 20 , \_\_\_\_\_

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

2) 7 , 14 , 28 , \_\_\_\_\_

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

3) 53 , 44 , 35 , 26 , 17 , \_\_\_\_\_

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

4) 375 , 75 , 15 , \_\_\_\_\_

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

5) 8 , 16 , 32 , \_\_\_\_\_

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

6) 3 , 9 , 27 , \_\_\_\_\_

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

7) 2 , 10 , 18 , 26 , \_\_\_\_\_

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

8) 1875 , 375 , 75 , 15 , \_\_\_\_\_

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

9) 768 , 192 , 48 , 12 , \_\_\_\_\_

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

10) 10 , 19 , 28 , 37 , \_\_\_\_\_

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

11) 6 , 16 , 26 , 36 , 46 , \_\_\_\_\_

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

12) 45 , 37 , 29 , 21 , 13 , \_\_\_\_\_

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

13) 17 , 14 , 11 , 8 , \_\_\_\_\_

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

14) 30 , 26 , 22 , 18 , 14 , 10 , 6 , \_\_\_\_\_

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

15) 6 , 11 , 16 , 21 , \_\_\_\_\_

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



Find the next number in the pattern.

Ex) 128 , 32 , 8 , 2 Rule: Divide 4

1) 5 , 10 , 20 , 40 Rule: Multiply 2

2) 7 , 14 , 28 , 56 Rule: Multiply 2

3) 53 , 44 , 35 , 26 , 17 , 8 Rule: Subtract 9

4) 375 , 75 , 15 , 3 Rule: Divide 5

5) 8 , 16 , 32 , 64 Rule: Multiply 2

6) 3 , 9 , 27 , 81 Rule: Multiply 3

7) 2 , 10 , 18 , 26 , 34 Rule: Add 8

8) 1875 , 375 , 75 , 15 , 3 Rule: Divide 5

9) 768 , 192 , 48 , 12 , 3 Rule: Divide 4

10) 10 , 19 , 28 , 37 , 46 Rule: Add 9

11) 6 , 16 , 26 , 36 , 46 , 56 Rule: Add 10

12) 45 , 37 , 29 , 21 , 13 , 5 Rule: Subtract 8

13) 17 , 14 , 11 , 8 , 5 Rule: Subtract 3

14) 30 , 26 , 22 , 18 , 14 , 10 , 6 , 2 Rule: Subtract 4

15) 6 , 11 , 16 , 21 , 26 Rule: Add 5

Answers

Ex. 2

1. 40

2. 56

3. 8

4. 3

5. 64

6. 81

7. 34

8. 3

9. 3

10. 46

11. 56

12. 5

13. 5

14. 2

15. 26



Find the next number in the pattern.

Ex) 4, 10, 16, 22, 28, 34 Rule: Add 6

**Answers**

Ex. 34

1) 9, 19, 29, 39, \_\_\_\_\_

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

2) 128, 64, 32, 16, \_\_\_\_\_

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

3) 54, 18, 6, \_\_\_\_\_

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

4) 4, 14, 24, 34, \_\_\_\_\_

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

5) 5, 10, 20, \_\_\_\_\_

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

6) 40, 35, 30, 25, 20, 15, \_\_\_\_\_

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

7) 37, 28, 19, 10, \_\_\_\_\_

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

8) 43, 33, 23, 13, \_\_\_\_\_

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

9) 2, 4, 8, 16, \_\_\_\_\_

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

10) 4, 8, 16, \_\_\_\_\_

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

11) 9, 18, 27, 36, 45, \_\_\_\_\_

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

12) 750, 150, 30, \_\_\_\_\_

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

13) 6, 12, 24, 48, \_\_\_\_\_

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

14) 189, 63, 21, \_\_\_\_\_

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

15) 18, 15, 12, 9, 6, \_\_\_\_\_

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



Find the next number in the pattern.

Ex) 4, 10, 16, 22, 28, 34 Rule: Add 6

1) 9, 19, 29, 39, 49 Rule: Add 10

2) 128, 64, 32, 16, 8 Rule: Divide 2

3) 54, 18, 6, 2 Rule: Divide 3

4) 4, 14, 24, 34, 44 Rule: Add 10

5) 5, 10, 20, 40 Rule: Multiply 2

6) 40, 35, 30, 25, 20, 15, 10 Rule: Subtract 5

7) 37, 28, 19, 10, 1 Rule: Subtract 9

8) 43, 33, 23, 13, 3 Rule: Subtract 10

9) 2, 4, 8, 16, 32 Rule: Multiply 2

10) 4, 8, 16, 32 Rule: Multiply 2

11) 9, 18, 27, 36, 45, 54 Rule: Add 9

12) 750, 150, 30, 6 Rule: Divide 5

13) 6, 12, 24, 48, 96 Rule: Multiply 2

14) 189, 63, 21, 7 Rule: Divide 3

15) 18, 15, 12, 9, 6, 3 Rule: Subtract 3

Answers

Ex. 34

1. 49

2. 8

3. 2

4. 44

5. 40

6. 10

7. 1

8. 3

9. 32

10. 32

11. 54

12. 6

13. 96

14. 7

15. 3