Fill in the patterns and then graph the coordinate pairs.

1) Ex: X: Start at 14 and subtract 2.  
   Y: Start at 7 and subtract 1.  
   x:  
   y: 

2) X: Start at 2 and add 1.  
   Y: Start at 7 and add 3.  
   x:  
   y: 

3) X: Start at 17 and subtract 3.  
   Y: Start at 19 and subtract 3.  
   x:  
   y: 

4) X: Start at 17 and subtract 3.  
   Y: Start at 4 and add 1.  
   x:  
   y: 

5) X: Start at 10 and add 2.  
   Y: Start at 11 and subtract 1.  
   x:  
   y: 

Ex)  
X: Start at 13 and subtract 1.  
Y: Start at 12 and subtract 2.  

x: 13 12 11 10  
y: 12 10 8 6  

Ex. (10,6)  
Ex. Graph  

Graph  

1.  
Graph  

2.  
Graph  

3.  
Graph  

4.  
Graph  

5.  
Graph
Fill in the patterns and then graph the coordinate pairs.

Ex) X: Start at 13 and subtract 1.  
Y: Start at 12 and subtract 2.  
x: 13 12 11 10  
y: 12 10 8 6  

2) X: Start at 2 and add 1.  
Y: Start at 7 and add 3.  
x: 2 3 4 5  
y: 7 10 13 16  

4) X: Start at 17 and subtract 3.  
Y: Start at 4 and add 1.  
x: 17 14 11 8  
y: 4 5 6 7  

1) X: Start at 14 and subtract 2.  
Y: Start at 7 and subtract 1.  
x: 14 12 10 8  
y: 7 6 5 4  

3) X: Start at 17 and subtract 3.  
Y: Start at 19 and subtract 3.  
x: 17 14 11 8  
y: 19 16 13 10  

5) X: Start at 10 and add 2.  
Y: Start at 11 and subtract 1.  
x: 10 12 14 16  
y: 11 10 9 8
Fill in the patterns and then graph the coordinate pairs.

**Ex.**
X: Start at 9 and subtract 1.
Y: Start at 2 and add 3.

- X: 9 8 7 6
- Y: 2 5 8 11

**1.**
X: Start at 2 and add 2.
Y: Start at 2 and add 2.

- X: ____________
- Y: ____________

**2.**
X: Start at 14 and subtract 2.
Y: Start at 9 and add 3.

- X: ____________
- Y: ____________

**3.**
X: Start at 4 and subtract 1.
Y: Start at 2 and add 1.

- X: ____________
- Y: ____________

**4.**
X: Start at 9 and subtract 2.
Y: Start at 8 and add 2.

- X: ____________
- Y: ____________

**5.**
X: Start at 1 and add 2.
Y: Start at 10 and add 3.

- X: ____________
- Y: ____________

**Answers**

1. Graph
2. Graph
3. Graph
4. Graph
5. Graph
Ex)  X: Start at 9 and subtract 1.
     Y: Start at 2 and add 3.
     x: 9 8 7 6
     y: 2 5 8 11

2) X: Start at 14 and subtract 2.
    Y: Start at 9 and add 3.
    x: 14 12 10 8
    y: 9 12 15 18

4) X: Start at 9 and subtract 2.
    Y: Start at 8 and add 2.
    x: 9 7 5 3
    y: 8 10 12 14

1) X: Start at 2 and add 2.
    Y: Start at 2 and add 2.
    x: 2 4 6 8
    y: 2 4 6 8

3) X: Start at 4 and subtract 1.
    Y: Start at 2 and add 1.
    x: 4 3 2 1
    y: 2 3 4 5

5) X: Start at 1 and add 2.
    Y: Start at 10 and add 3.
    x: 1 3 5 7
    y: 10 13 16 19

Ex. (6,11)

Ex. Graph

1. (8,8)
1. Graph

2. (8,18)
2. Graph

3. (1,5)
3. Graph

4. (3,14)
4. Graph

5. (7,19)
5. Graph
Graphing Patterns

Fill in the patterns and then graph the coordinate pairs.

1) X: Start at 3 and add 1.
   Y: Start at 8 and add 2.
   x:  
   y:  
   
2) X: Start at 13 and subtract 2.
   Y: Start at 9 and add 1.
   x:  
   y:  
   
3) X: Start at 16 and subtract 3.
   Y: Start at 6 and add 2.
   x:  
   y:  
   
4) X: Start at 4 and add 2.
   Y: Start at 8 and add 1.
   x:  
   y:  
   
5) X: Start at 8 and add 2.
   Y: Start at 9 and add 1.
   x:  
   y:  
   
Ex.) X: Start at 16 and subtract 2.
   Y: Start at 16 and subtract 2.
   x:  
   y:  
   
Ex.) X: Start at 3 and add 1.
   Y: Start at 8 and add 2.
   x:  
   y:  
   
Ex.) X: Start at 13 and subtract 2.
   Y: Start at 9 and add 1.
   x:  
   y:  
   
Ex.) X: Start at 16 and subtract 3.
   Y: Start at 6 and add 2.
   x:  
   y:  
   
Ex.) X: Start at 4 and add 2.
   Y: Start at 8 and add 1.
   x:  
   y:  
   
Ex.) X: Start at 8 and add 2.
   Y: Start at 9 and add 1.
   x:  
   y:  
   
Answers

Ex. (10,10)

Ex. Graph

1. ____________

1. ____________

2. ____________

2. ____________

3. ____________

3. ____________

4. ____________

4. ____________

5. ____________

5. ____________
Fill in the patterns and then graph the coordinate pairs.

Ex) X: Start at 16 and subtract 2.
Y: Start at 16 and subtract 2.

X: 16 14 12 10
Y: 16 14 12 10

1) X: Start at 3 and add 1.
Y: Start at 8 and add 2.

X: 3 4 5 6
Y: 8 10 12 14

2) X: Start at 13 and subtract 2.
Y: Start at 9 and add 1.

X: 13 11 9 7
Y: 9 10 11 12

3) X: Start at 16 and subtract 3.
Y: Start at 6 and add 2.

X: 16 13 10 7
Y: 6 8 10 12

4) X: Start at 4 and add 2.
Y: Start at 8 and add 1.

X: 4 6 8 10
Y: 8 9 10 11

5) X: Start at 8 and add 2.
Y: Start at 9 and add 1.

X: 8 10 12 14
Y: 9 10 11 12

Answers
Ex. (10,10)
3. (7,12)
4. (10,11)
5. (14,12)
Graphing Patterns

Fill in the patterns and then graph the coordinate pairs.

Ex.)
   X: Start at 11 and subtract 3.
   Y: Start at 10 and subtract 1.
   x: 11  8  5  2
   y: 10  9  8  7

2) X: Start at 11 and subtract 1.
   Y: Start at 7 and add 2.
   x: ___________
   y: ___________

4) X: Start at 10 and subtract 3.
   Y: Start at 6 and add 1.
   x: ___________
   y: ___________

1) X: Start at 18 and subtract 3.
   Y: Start at 7 and add 2.
   x: ___________
   y: ___________

3) X: Start at 7 and add 3.
   Y: Start at 8 and subtract 1.
   x: ___________
   y: ___________

5) X: Start at 13 and subtract 1.
   Y: Start at 14 and subtract 3.
   x: ___________
   y: ___________

Ex. (2,7)
Ex. __________

1. __________
   Graph

2. __________
   Graph

3. __________
   Graph

4. __________
   Graph

5. __________
   Graph
Fill in the patterns and then graph the coordinate pairs.

Ex)  X: Start at 11 and subtract 3.
     Y: Start at 10 and subtract 1.

   x: 11 8 5 2
   y: 10 9 8 7

2)  X: Start at 11 and subtract 1.
    Y: Start at 7 and add 2.

   x: 11 10 9 8
   y:  7 9 11 13

4)  X: Start at 10 and subtract 3.
    Y: Start at 6 and add 1.

   x: 10 7 4 1
   y:  6 7 8 9

1)  X: Start at 18 and subtract 3.
    Y: Start at 7 and add 2.

   x: 18 15 12 9
   y:  7 9 11 13

3)  X: Start at 7 and add 3.
    Y: Start at 8 and subtract 1.

   x:  7 10 13 16
   y:  8 7 6 5

5)  X: Start at 13 and subtract 1.
    Y: Start at 14 and subtract 3.

   x: 13 12 11 10
   y: 14 11 8 5
Graphing Patterns

Fill in the patterns and then graph the coordinate pairs.

Ex) X: Start at 8 and add 3.
    Y: Start at 1 and add 3.
    x: 8 11 14 17
    y: 1 4 7 10

1) X: Start at 2 and add 2.
    Y: Start at 10 and add 1.
    x: _____________
    y: _____________

2) X: Start at 9 and subtract 2.
    Y: Start at 10 and subtract 1.
    x: _____________
    y: _____________

3) X: Start at 3 and add 1.
    Y: Start at 12 and subtract 3.
    x: _____________
    y: _____________

4) X: Start at 10 and subtract 2.
    Y: Start at 14 and subtract 3.
    x: _____________
    y: _____________

5) X: Start at 7 and subtract 2.
    Y: Start at 2 and add 2.
    x: _____________
    y: _____________

Ex. (17,10)

Ex. Graph

1. _____________

2. _____________

3. _____________

4. _____________

5. _____________
Fill in the patterns and then graph the coordinate pairs.

1) X: Start at 2 and add 2.  
   Y: Start at 10 and add 1.  
   x: 2 4 6 8  
   y: 10 11 12 13

2) X: Start at 9 and subtract 2.  
   Y: Start at 10 and subtract 1.  
   x: 9 7 5 3  
   y: 10 9 8 7

3) X: Start at 3 and add 1.  
   Y: Start at 12 and subtract 3.  
   x: 3 4 5 6  
   y: 12 9 6 3

4) X: Start at 10 and subtract 2.  
   Y: Start at 14 and subtract 3.  
   x: 10 8 6 4  
   y: 14 11 8 5

5) X: Start at 7 and subtract 2.  
   Y: Start at 2 and add 2.  
   x: 7 5 3 1  
   y: 2 4 6 8

Ex)  
X: Start at 8 and add 3.  
Y: Start at 1 and add 3.  
   x: 8 11 14 17  
   y: 1 4 7 10

Ex)  
X: Start at 7 and subtract 2.  
Y: Start at 2 and add 2.  
17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

Ex. (17,10)  
Ex. Graph  
1. (8,13)  
2. (3,7)  
3. (6,3)  
4. (4,5)  
5. (1,8)  

Graph
Graphing Patterns

Fill in the patterns and then graph the coordinate pairs.

1) X: Start at 8 and add 2.
   Y: Start at 3 and add 3.
   x: 8 10 12 14
   y: 3 6 9 12

2) X: Start at 8 and add 3.
   Y: Start at 9 and add 3.
   x: 8 11 14 17
   y: 9 12 15 18

3) X: Start at 9 and subtract 1.
   Y: Start at 15 and subtract 3.
   x: 9 8 7 6
   y: 15 12 9 6

4) X: Start at 6 and subtract 1.
   Y: Start at 5 and add 2.
   x: 6 5 4 3
   y: 5 7 9 11

5) X: Start at 5 and add 3.
   Y: Start at 5 and add 2.
   x: 5 8 11 14
   y: 5 7 9 11

Answers

Ex. (5,11)
Ex. Graph
1. __________
   1. __________
2. __________
   2. __________
3. __________
   3. __________
4. __________
   4. __________
5. __________
   5. __________
Graphing Patterns

Fill in the patterns and then graph the coordinate pairs.

Ex.) X: Start at 2 and add 1.  
Y: Start at 2 and add 3.  

x: \[2, 3, 4, 5\]  
y: \[2, 5, 8, 11\]

Ex.) X: Start at 8 and add 2.  
Y: Start at 3 and add 3.  

x: \[8, 10, 12, 14\]  
y: \[3, 6, 9, 12\]

2) X: Start at 8 and add 3.  
Y: Start at 9 and add 3.  

x: \[8, 11, 14, 17\]  
y: \[9, 12, 15, 18\]

3) X: Start at 9 and subtract 1.  
Y: Start at 15 and subtract 3.  

x: \[9, 8, 7, 6\]  
y: \[15, 12, 9, 6\]

4) X: Start at 6 and subtract 1.  
Y: Start at 5 and add 2.  

x: \[6, 5, 4, 3\]  
y: \[5, 7, 9, 11\]

5) X: Start at 5 and add 3.  
Y: Start at 5 and add 2.  

x: \[5, 8, 11, 14\]  
y: \[5, 7, 9, 11\]

Answers

1. \(14, 12\)
2. \(17, 18\)
3. \(6, 6\)
4. \(3, 11\)
5. \(14, 11\)
Fill in the patterns and then graph the coordinate pairs.

Ex) X: Start at 7 and add 2.
    Y: Start at 17 and subtract 3.
    x: 7  9  11  13
    y: 17 14 11  8

2) X: Start at 3 and add 2.
    Y: Start at 13 and subtract 1.
    x: _____________
    y: _____________

4) X: Start at 5 and subtract 1.
    Y: Start at 19 and subtract 3.
    x: _____________
    y: _____________

1) X: Start at 7 and add 2.
    Y: Start at 8 and subtract 2.
    x: _____________
    y: _____________

3) X: Start at 6 and add 3.
    Y: Start at 6 and add 3.
    x: _____________
    y: _____________

5) X: Start at 7 and add 2.
    Y: Start at 14 and subtract 3.
    x: _____________
    y: _____________

Ex. (13,8)
Ex. Graph
1. ______________
Graph
2. ______________
Graph
3. ______________
Graph
4. ______________
Graph
Fill in the patterns and then graph the coordinate pairs.

Ex) X: Start at 7 and add 2.
Y: Start at 17 and subtract 3.

x: 7 9 11 13
y: 17 14 11 8

1) X: Start at 7 and add 2.
Y: Start at 8 and subtract 2.

x: 7 9 11 13
y: 8 6 4 2

2) X: Start at 3 and add 2.
Y: Start at 13 and subtract 1.

x: 3 5 7 9
y: 13 12 11 10

3) X: Start at 6 and add 3.
Y: Start at 6 and add 3.

x: 6 9 12 15
y: 6 9 12 15

4) X: Start at 5 and subtract 1.
Y: Start at 19 and subtract 3.

x: 5 4 3 2
y: 19 16 13 10

5) X: Start at 7 and add 2.
Y: Start at 14 and subtract 3.

x: 7 9 11 13
y: 14 11 8 5
Fill in the patterns and then graph the coordinate pairs.

Ex)  X: Start at 5 and subtract 1.  
Y: Start at 11 and subtract 1.  
   x: 5 4 3 2  
   y: 11 10 9 8

1) X: Start at 12 and subtract 1.  
   Y: Start at 8 and add 1.  
   x: _______  
   y: _______

2) X: Start at 14 and subtract 3.  
   Y: Start at 10 and subtract 1.  
   x: _______  
   y: _______

3) X: Start at 19 and subtract 3.  
   Y: Start at 9 and subtract 1.  
   x: _______  
   y: _______

4) X: Start at 4 and add 3.  
   Y: Start at 5 and add 1.  
   x: _______  
   y: _______

5) X: Start at 1 and add 1.  
   Y: Start at 8 and add 2.  
   x: _______  
   y: _______
Graphing Patterns

Fill in the patterns and then graph the coordinate pairs.

Ex) X: Start at 5 and subtract 1.
   Y: Start at 11 and subtract 1.
   x: 5 4 3 2
   y: 11 10 9 8

2) X: Start at 14 and subtract 3.
   Y: Start at 10 and subtract 1.
   x: 14 11 8 5
   y: 10 9 8 7

4) X: Start at 4 and add 3.
   Y: Start at 5 and add 1.
   x: 4 7 10 13
   y: 5 6 7 8

1) X: Start at 12 and subtract 1.
   Y: Start at 8 and add 1.
   x: 12 11 10 9
   y: 8 9 10 11

3) X: Start at 19 and subtract 3.
   Y: Start at 9 and subtract 1.
   x: 19 16 13 10
   y: 9 8 7 6

5) X: Start at 1 and add 1.
   Y: Start at 8 and add 2.
   x: 1 2 3 4
   y: 8 10 12 14

Ex. (2,8)

Ex. Graph

1. (9,11)
1. Graph

2. (5,7)
2. Graph

3. (10,6)
3. Graph

4. (13,8)
4. Graph

5. (4,14)
5. Graph
Graphing Patterns

Fill in the patterns and then graph the coordinate pairs.

Ex)  
X: Start at 8 and add 1.  
Y: Start at 13 and subtract 1.  
x: 8  9  10  11  
y: 13  12  11  10  

1)  
X: Start at 7 and add 1.  
Y: Start at 14 and subtract 3.  
x: 7  8  9  10  
y: 14  11  8  5  

2)  
X: Start at 18 and subtract 3.  
Y: Start at 7 and add 1.  
x: 18  15  12  9  
y: 7  8  9  10  

3)  
X: Start at 6 and add 1.  
Y: Start at 12 and subtract 3.  
x: 6  7  8  9  
y: 12  9  6  3  

4)  
X: Start at 7 and add 3.  
Y: Start at 2 and add 1.  
x: 7  10  13  16  
y: 2  3  4  5  

5)  
X: Start at 6 and add 2.  
Y: Start at 1 and add 1.  
x: 6  8  10  12  
y: 1  2  3  4  

Answers

Ex.  (11,10)  
1.  ____________________  

2.  ____________________  

3.  ____________________  

4.  ____________________  

5.  ____________________  

Graph
Fill in the patterns and then graph the coordinate pairs.

Ex.)
X: Start at 8 and add 1.
Y: Start at 13 and subtract 1.
\[
x: \ 8 \ 9 \ 10 \ 11 \\
y: \ 13 \ 12 \ 11 \ 10
\]

2) X: Start at 18 and subtract 3.
Y: Start at 7 and add 1.
\[
x: \ 18 \ 15 \ 12 \ 9 \\
y: \ 7 \ 8 \ 9 \ 10
\]

4) X: Start at 7 and add 3.
Y: Start at 2 and add 1.
\[
x: \ 7 \ 10 \ 13 \ 16 \\
y: \ 2 \ 3 \ 4 \ 5
\]

1) X: Start at 7 and add 1.
Y: Start at 14 and subtract 3.
\[
x: \ 7 \ 8 \ 9 \ 10 \\
y: \ 14 \ 11 \ 8 \ 5
\]

3) X: Start at 6 and add 1.
Y: Start at 12 and subtract 3.
\[
x: \ 6 \ 7 \ 8 \ 9 \\
y: \ 12 \ 9 \ 6 \ 3
\]

5) X: Start at 6 and add 2.
Y: Start at 1 and add 1.
\[
x: \ 6 \ 8 \ 10 \ 12 \\
y: \ 1 \ 2 \ 3 \ 4
\]
Fill in the patterns and then graph the coordinate pairs.

Ex) X: Start at 1 and add 3.
    Y: Start at 16 and subtract 2.
    \[ \begin{array}{c}
    x: & 1 & 4 & 7 & 10 \\
    y: & 16 & 14 & 12 & 10 \\
    \end{array} \]

1) X: Start at 7 and add 1.
    Y: Start at 13 and subtract 3.
    \[ \begin{array}{c}
    x: & \quad \quad \quad \quad \quad \quad \\
    y: & \quad \quad \quad \quad \quad \quad \\
    \end{array} \]

2) X: Start at 9 and subtract 2.
    Y: Start at 9 and subtract 1.
    \[ \begin{array}{c}
    x: & \quad \quad \quad \quad \quad \quad \\
    y: & \quad \quad \quad \quad \quad \quad \\
    \end{array} \]

3) X: Start at 6 and add 2.
    Y: Start at 15 and subtract 2.
    \[ \begin{array}{c}
    x: & \quad \quad \quad \quad \quad \quad \\
    y: & \quad \quad \quad \quad \quad \quad \\
    \end{array} \]

4) X: Start at 16 and subtract 3.
    Y: Start at 18 and subtract 3.
    \[ \begin{array}{c}
    x: & \quad \quad \quad \quad \quad \quad \\
    y: & \quad \quad \quad \quad \quad \quad \\
    \end{array} \]

5) X: Start at 11 and subtract 3.
    Y: Start at 6 and add 1.
    \[ \begin{array}{c}
    x: & \quad \quad \quad \quad \quad \quad \\
    y: & \quad \quad \quad \quad \quad \quad \\
    \end{array} \]
Graphing Patterns

Fill in the patterns and then graph the coordinate pairs.

Ex)  X: Start at 1 and add 3.
     Y: Start at 16 and subtract 2.
     x:  1  4  7  10
     y:  16 14 12 10

2) X: Start at 9 and subtract 2.
    Y: Start at 9 and subtract 1.
    x:  9  7  5  3
    y:  9  8  7  6

4) X: Start at 16 and subtract 3.
    Y: Start at 18 and subtract 3.
    x:  16 13 10  7
    y:  18 15 12  9

1) X: Start at 7 and add 1.
    Y: Start at 13 and subtract 3.
    x:  7  8  9 10
    y:  13 10  7  4

3) X: Start at 6 and add 2.
    Y: Start at 15 and subtract 2.
    x:  6  8 10 12
    y:  15 13 11  9

5) X: Start at 11 and subtract 3.
    Y: Start at 6 and add 1.
    x: 11  8  5  2
    y:  6  7  8  9

Answers

Ex. (10,10)

1. (10,4)
2. (3,6)
3. (12,9)
4. (7,9)
5. (2,9)

Graph

1. Graph
2. Graph
3. Graph
4. Graph
5. Graph

Graphing Patterns