



**THIRD SPACE
LEARNING**

X and Y Axis Worksheet

Algebra

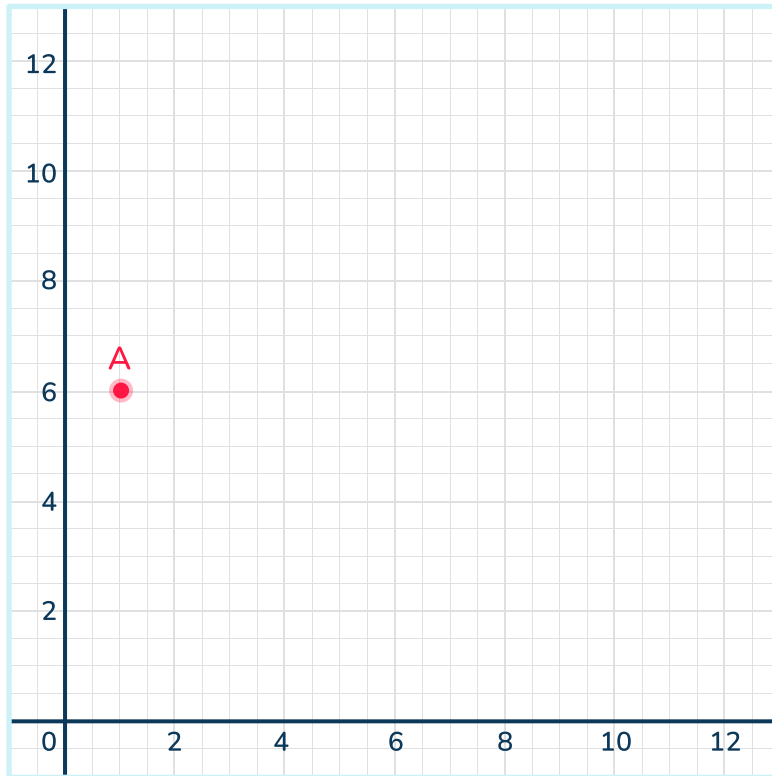
Grades 4 to 5

Skill Questions

Name:

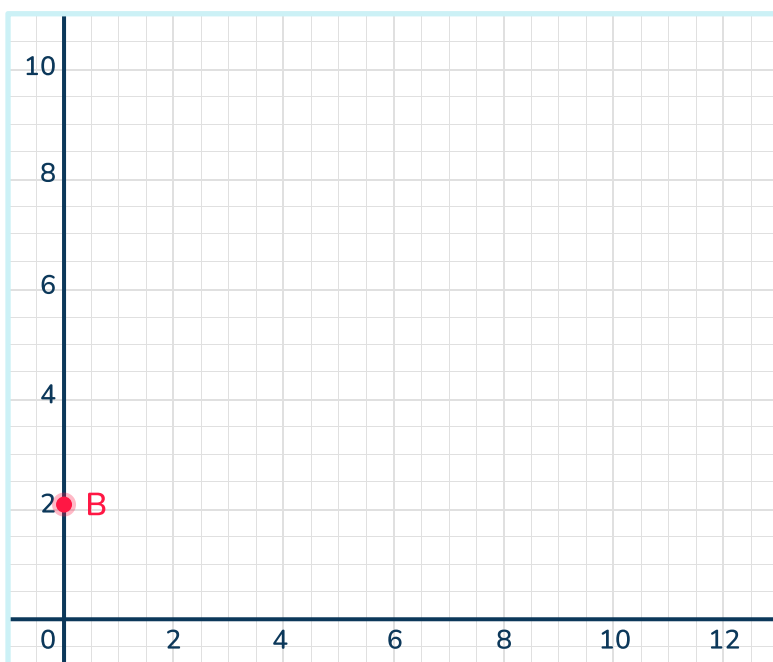
Date:

- 1 What is the ordered pair for point A?



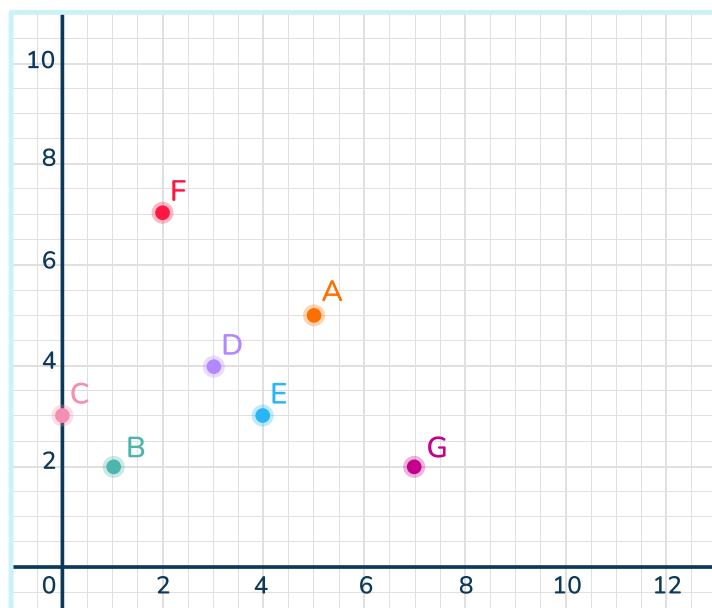
Answer

- 2 What is the ordered pair for point B?



Answer

- 3 Use the graph below to name the point that has an ordered pair of (4,3).

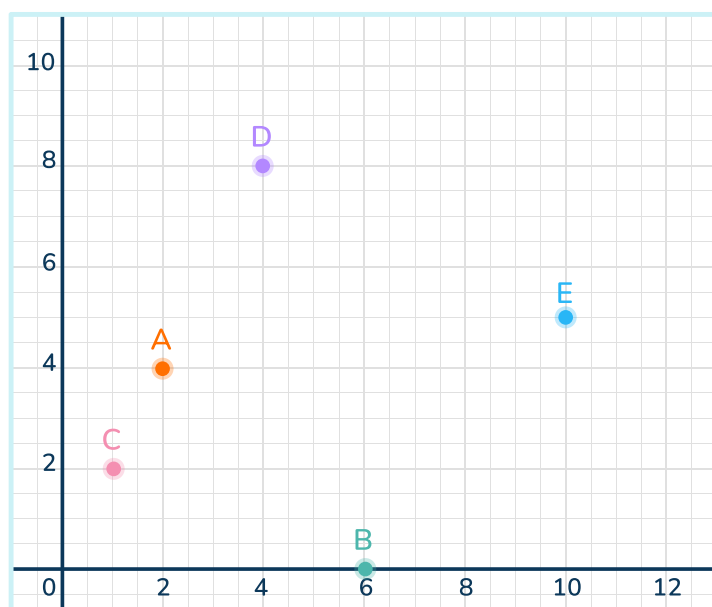


Answer

- 4 Use the graph in #3 to name the point that has an ordered pair of (7, 2).

Answer

- 5 Dani draws a map of the town on the coordinate grid. The post office is located at the coordinates (10,5) and the bank is located at the coordinates (2,4). Name the two points that represent the post office and the bank.



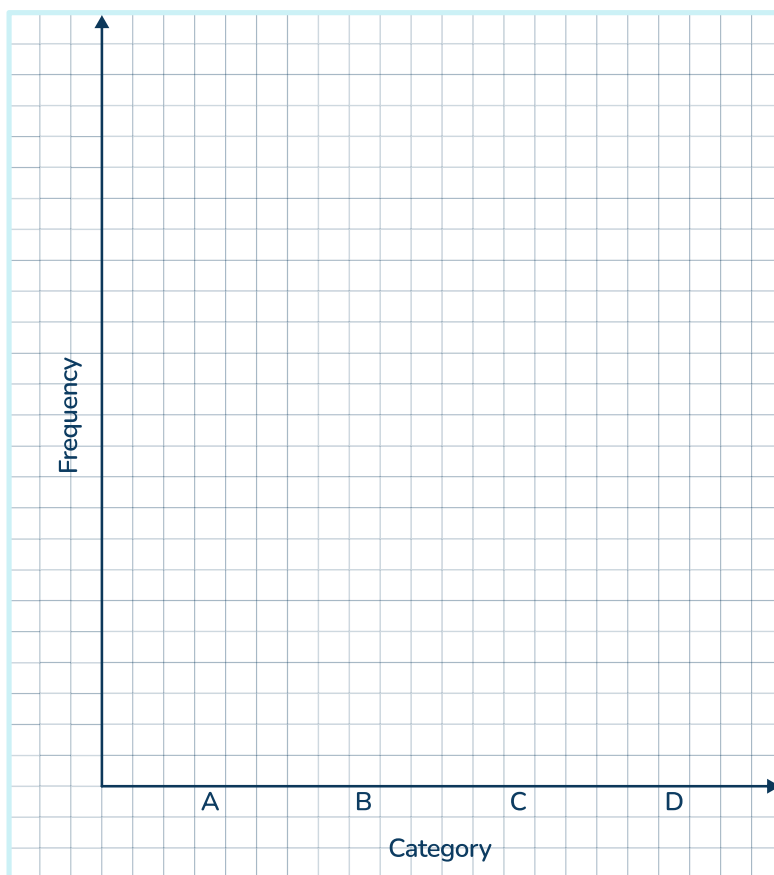
Answer

- 6 The table below shows the number of days (x) and the height a plant (y). Find the missing values on the table.

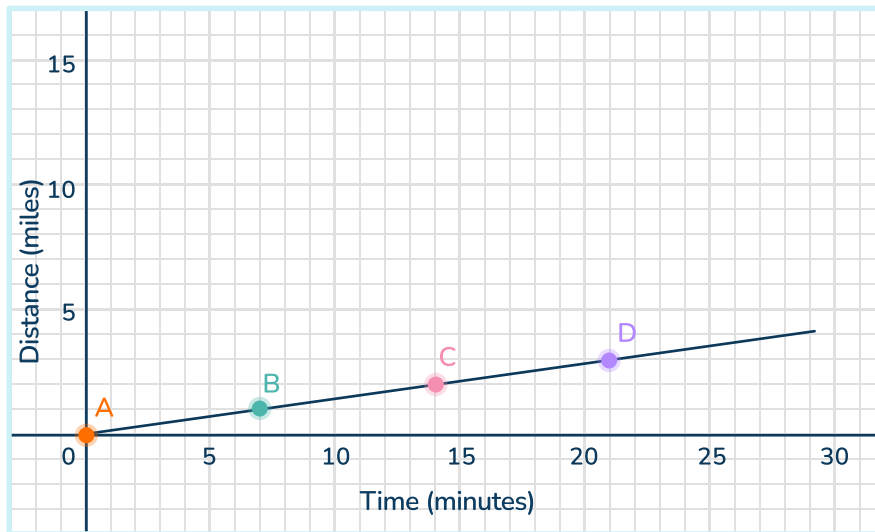
Days	2	4	6	
Height (mm)	3	6		12

- 7 Given the data, draw an appropriate vertical scale on the graph below.

Category	A	B	C	D
Frequency	20	13	4	7



- 8 The graph below shows the amount of time (x) it takes Sheri to run a specific distance (y). What does the ordered pair C represent?

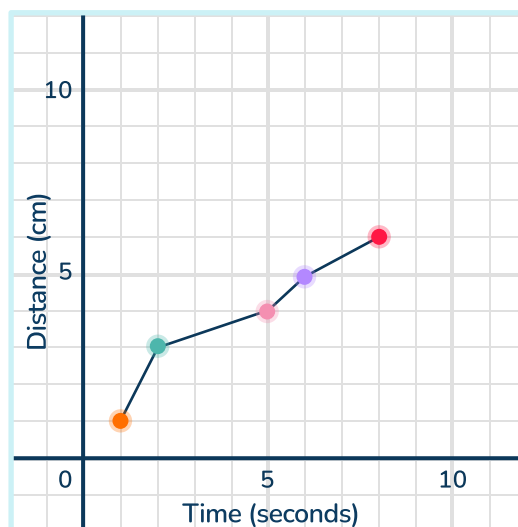


Answer

- 9 Using the graph in #8, how far does Sheri run after 28 minutes?

Answer

- 10 The graph below shows the distance a spider crawls after a specific amount of time, in seconds. What does the ordered pair (8, 6) represent?

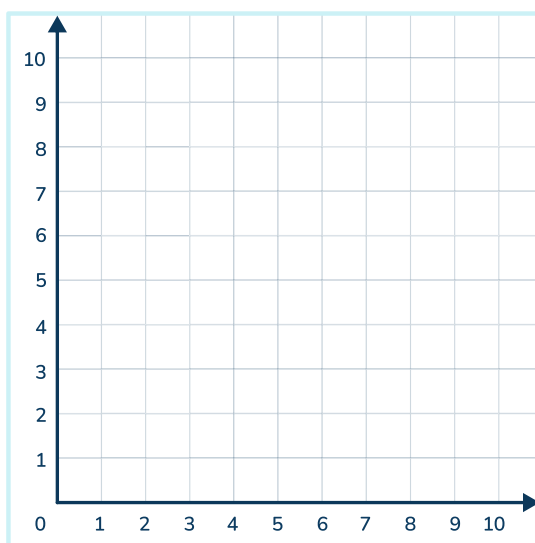


Answer

Applied Questions

- 11 Graph the order pairs and then connect them with straight lines. What shape do you get?

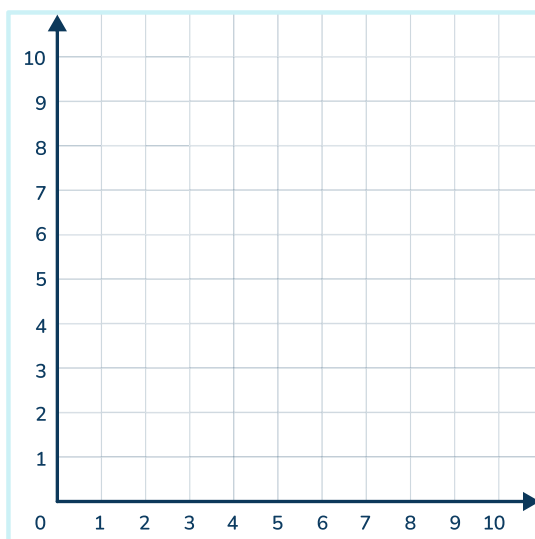
A(1, 5) B(5, 5) C(5, 1) D(1, 1)



Answer

- 12 Find the missing values in the table, and then plot each of the ordered pairs (x, y) .

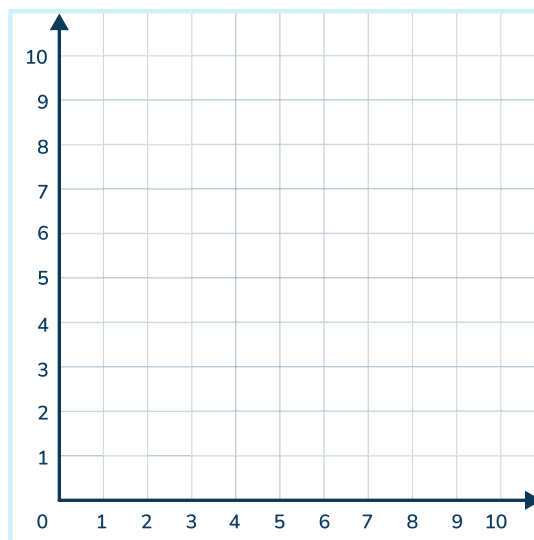
x	0	2	4	5	
y	3	5	7		10



- 13 If you place a point at $(1, 2)$ and then move 3 units north and 1 unit east where should the point be placed?

Answer

- 14 A train line uses the grid below to plot the train stops. The first train stop is at the point $(2, 3)$ the second train stop is at the point $(4, 4)$ and the third stop is at the point $(6, 5)$. If the pattern between the train stops stays the same, what would be the ordered pair of the 5th train stop?

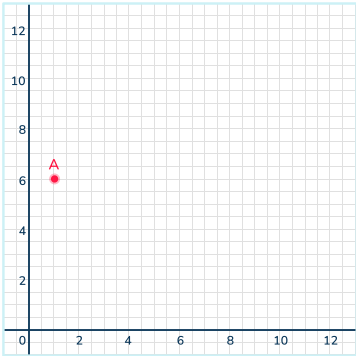
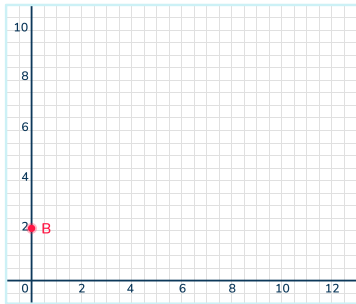
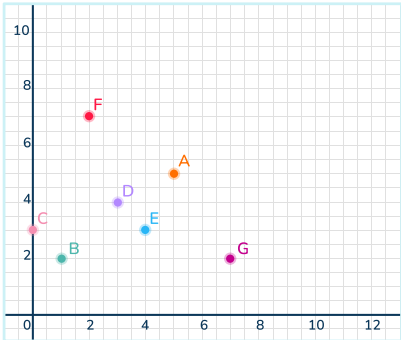
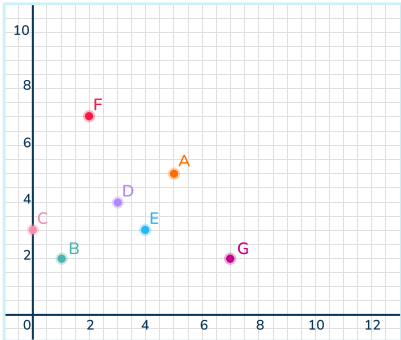


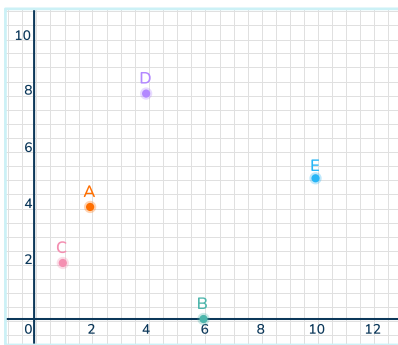
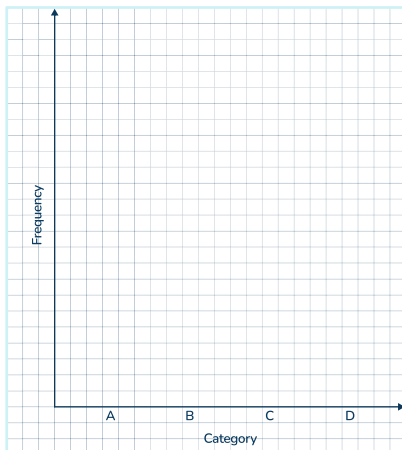
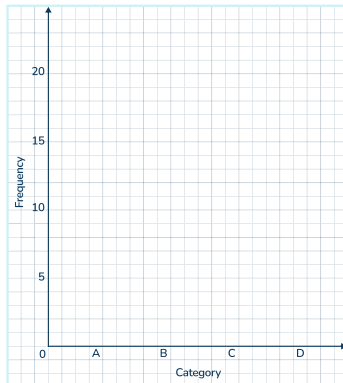
Answer

- 15 The ordered pairs $(0,0)$, $(0, 3)$, $(5, 3)$ and (x, y) form a rectangle. What should the fourth ordered pair be?

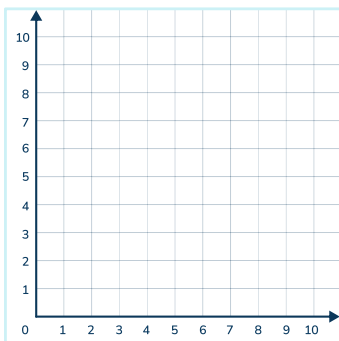
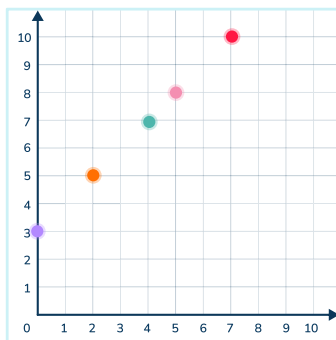
Answer

Answers

Question number	Question	Answers	Standard
1	What is the ordered pair for point A? 	(1, 6)	5.G.A.1
2	What is the ordered pair for point B? 	(0, 2)	5.G.A.1
3	Use the graph below to name the point that has an ordered pair of (4,3). 	Point E	5.G.A.1
4	Use the graph in #3 to name the point that has an ordered pair of (7, 2). 	Point G	5.G.A.1

Question number	Question	Answers	Standard										
5	<p>Dani draws a map of the town on the coordinate grid. The post office is located at the coordinates (10,5) and the bank is located at the coordinates (2,4). Name the two points that represent the post office and the bank.</p> 	<p>Point E is the post office</p> <p>Point A is the bank</p>	5.G.A.1										
6	<p>The table below shows the number of days (x) and the height a plant (y). Find the missing values on the table.</p> <table border="1" data-bbox="336 1207 850 1328"><tr><td>Days</td><td>2</td><td>4</td><td>6</td><td></td></tr><tr><td>Height (mm)</td><td>3</td><td>6</td><td></td><td>12</td></tr></table>	Days	2	4	6		Height (mm)	3	6		12	<p>Missing values,</p> <p>Days 6, Height 9 mm</p> <p>Days 8</p> <p>Height 12 mm</p>	5.G.A.2
Days	2	4	6										
Height (mm)	3	6		12									
7	<p>Given the data, draw an appropriate vertical scale on the graph below.</p> <table border="1" data-bbox="394 1512 794 1610"><tr><td>Category</td><td>A</td><td>B</td><td>C</td><td>D</td></tr><tr><td>Frequency</td><td>20</td><td>13</td><td>4</td><td>7</td></tr></table> 	Category	A	B	C	D	Frequency	20	13	4	7		5.G.A.2
Category	A	B	C	D									
Frequency	20	13	4	7									

Question number	Question	Answers	Standard
8	<p>The graph below shows the amount of time (x) it takes Sheri to run a specific distance (y). What does the ordered pair C represent?</p>	C (14, 2) – 14 minutes for Sheri to run 2 miles.	5.G.A.2
9	<p>Using the graph in #8, how far does Sheri run after 28 minutes?</p>	After 28 minutes, Sheri runs 4 miles.	5.G.A.2
10	<p>The graph below shows the distance a spider crawls after a specific amount of time, in seconds. What does the ordered pair (8, 6) represent?</p>	The ordered pair (8, 6) shows that after 8 seconds, the spider crawled 6 cm.	5.G.A.2
11	<p>Graph the order pairs and then connect them with straight lines. What shape do you get?</p> <p>A(1, 5) B(5, 5) C(5, 1) D(1, 1)</p>	<p>A square</p>	5.G.A.1




Question number	Question	Answers	Standard												
12	<p>Find the missing values in the table, and then plot each of the ordered pairs (x, y).</p> <table border="1"><tr><td>x</td><td>0</td><td>2</td><td>4</td><td>5</td><td></td></tr><tr><td>y</td><td>3</td><td>5</td><td>7</td><td></td><td>10</td></tr></table> 	x	0	2	4	5		y	3	5	7		10	<p>Missing values, when $x = 5, y = 8$ When $y = 10, x = 7$</p> 	5.G.A.1
x	0	2	4	5											
y	3	5	7		10										
13	If you place a point at $(1, 2)$ and then move 3 units north and 1 unit east where should the point be placed?	$(2, 5)$	5.G.A.2												
14	A train line uses the grid below to plot the train stops. The first train stop is at the point $(2, 3)$ the second train stop is at the point $(4, 4)$ and the third stop is at the point $(6, 5)$. If the pattern between the train stops stays the same, what would be the ordered pair of the 5th train stop?	$(10, 7)$	5.G.A.2												
15	The ordered pairs $(0,0)$, $(0, 3)$, $(5, 3)$ and (x, y) form a rectangle. What should the fourth ordered pair be?	$(5, 0)$	5.G.A.2												

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