



**THIRD SPACE
LEARNING**

Coordinate Plane Worksheet

Algebra

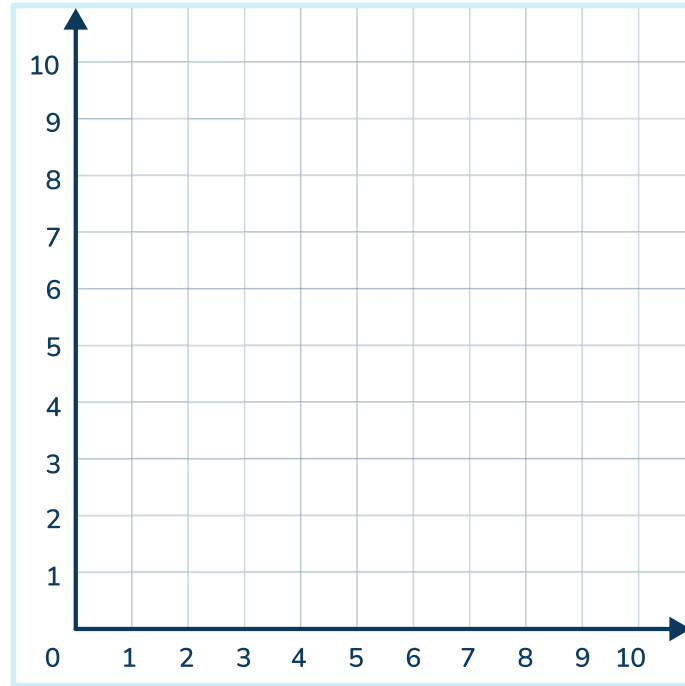
Grades 4 to 5

Skill Questions

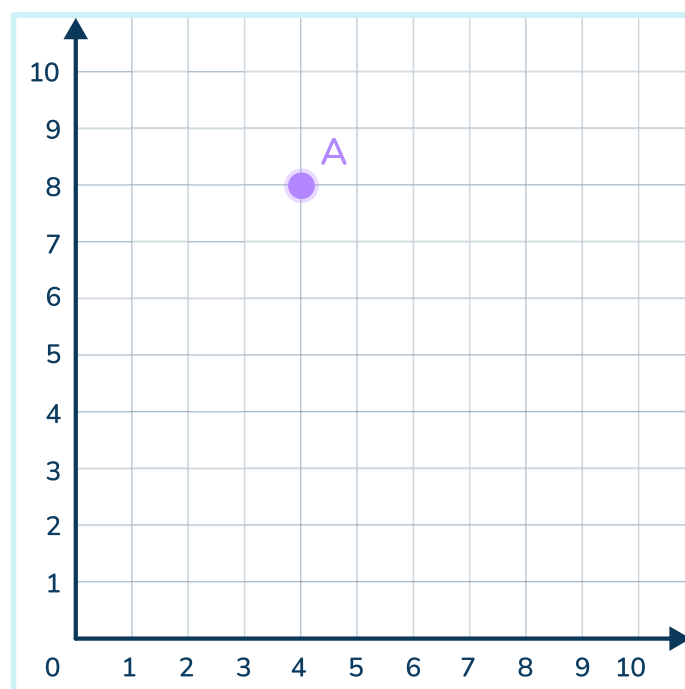
Name:

Date:

- 1 Identify the x -axis, y -axis and origin.

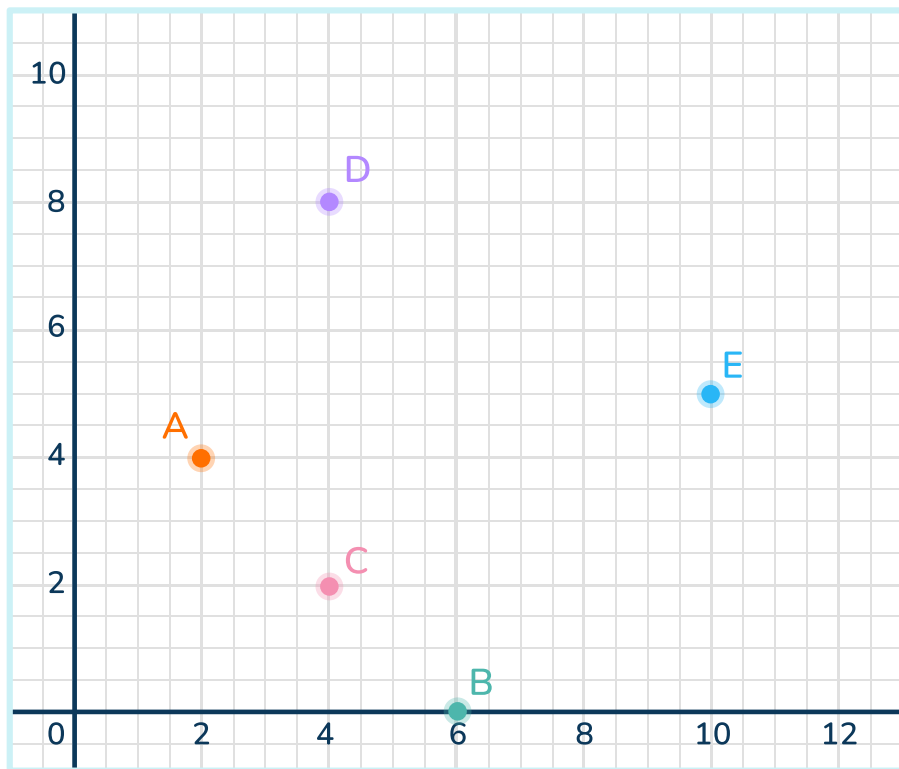


- 2 What are the coordinates of point A?



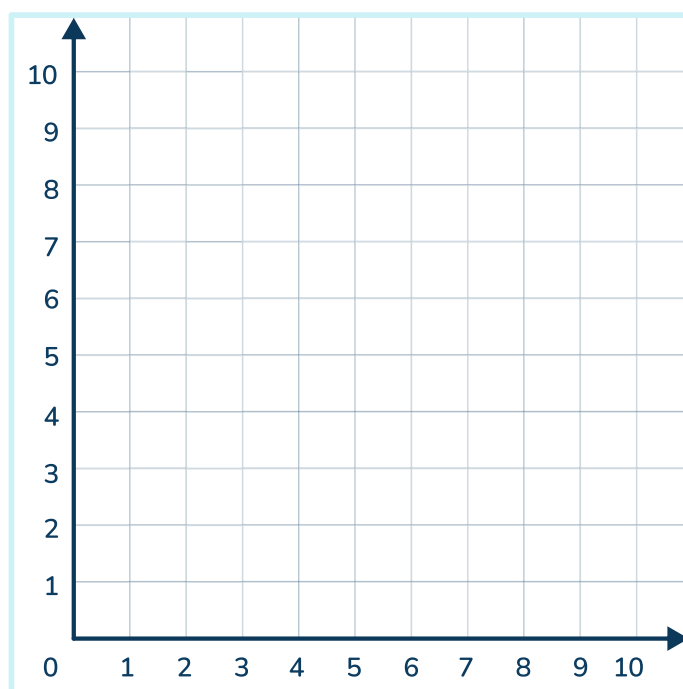
Answer

3 Which point is (4, 2)?



Answer

4 Graph and label the point (6, 3).



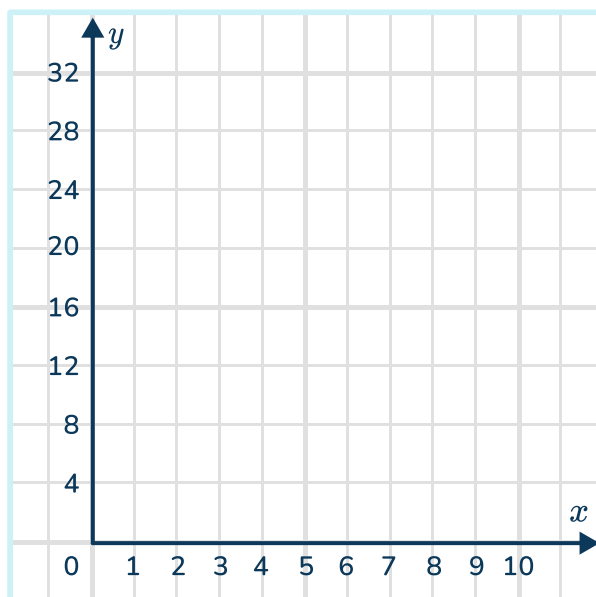
- 5 Using this table of values, select the most appropriate scale to use for the y -axis.

Pets	Number of People
Cats	23
Dogs	47
Fish	14
Turtle	6
Bird	5

- a) 0 - 100 increasing in multiples of 10
b) 0 - 42 increasing in multiples of 1
c) 0 - 10 increasing in multiples of 0.5
d) 0 - 50 increasing in multiples of 5

Answer

6



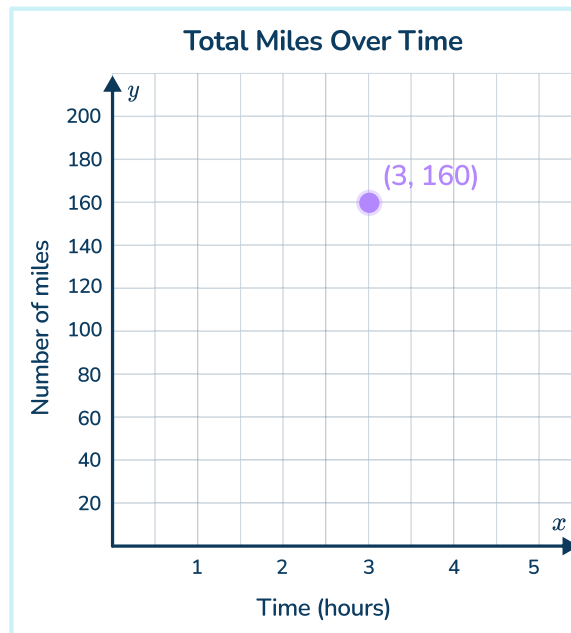
- a) What is the scale of the x -axis?

Answer

- b) What is the scale of the y -axis?

Answer

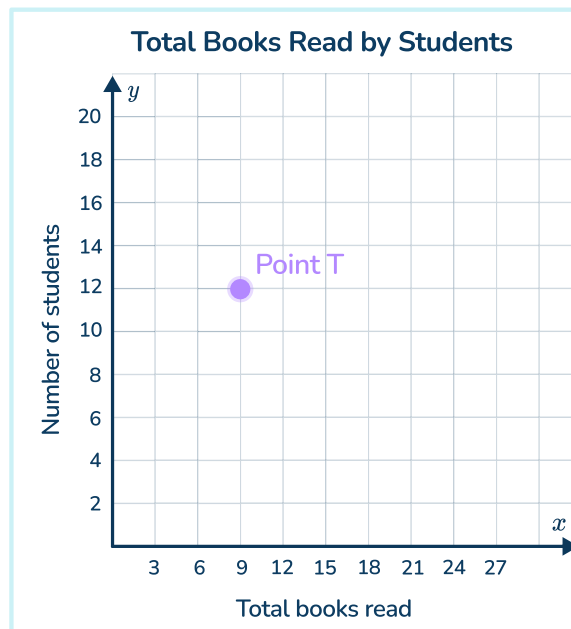
7



What is the meaning of (3, 160) within the context?

Answer

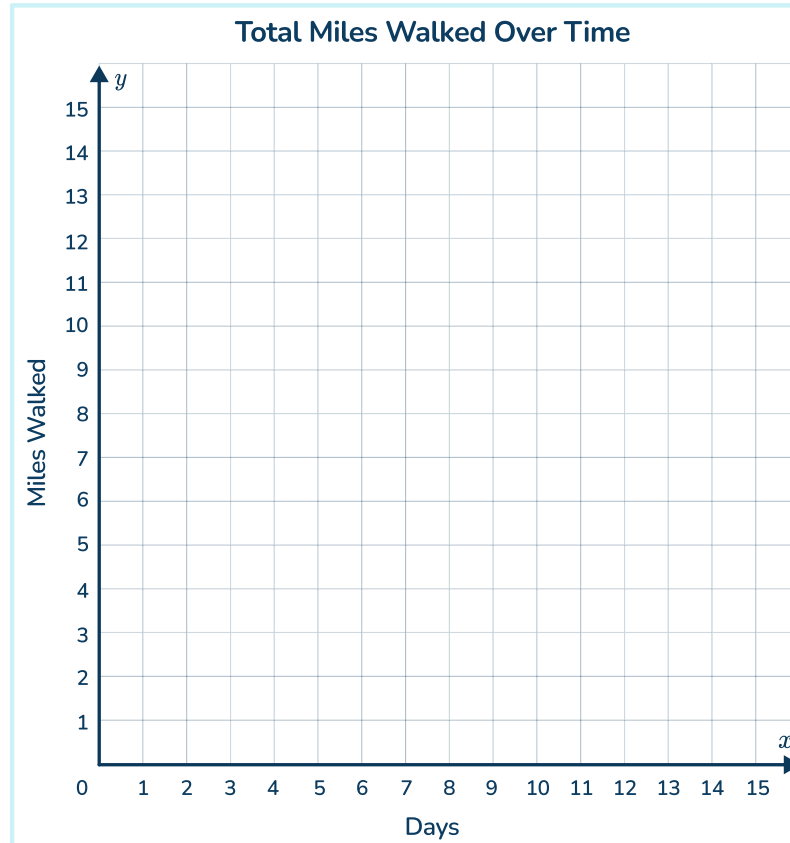
8



What is the meaning of Point T within the context?

Answer

- 9 Jared walked 11 miles in 9 days. Graph this as a coordinate.



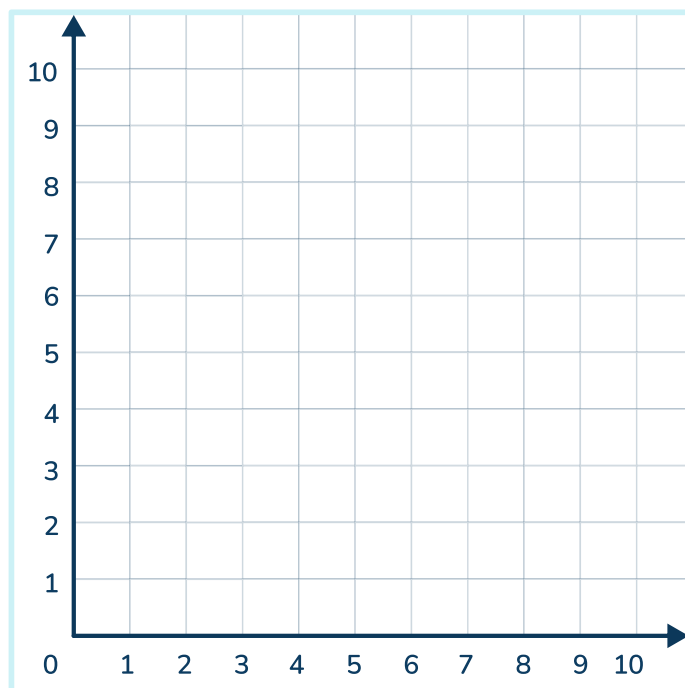
- 10 The coordinates show the weight of hamsters during the first 6 months of their life: (1 month, 0.5 ounces); (2 months, 2 ounces); (3 months, 3 ounces); (4 months, 3.5 ounces); (5 months, 4 ounces); (6 months, 5 ounces). Graph the coordinates.

Applied Questions

- 11** A map of a town is on a coordinate plane. The library is at (6, 2). Describe how to get to the library on the coordinate plane from the origin.

Answer

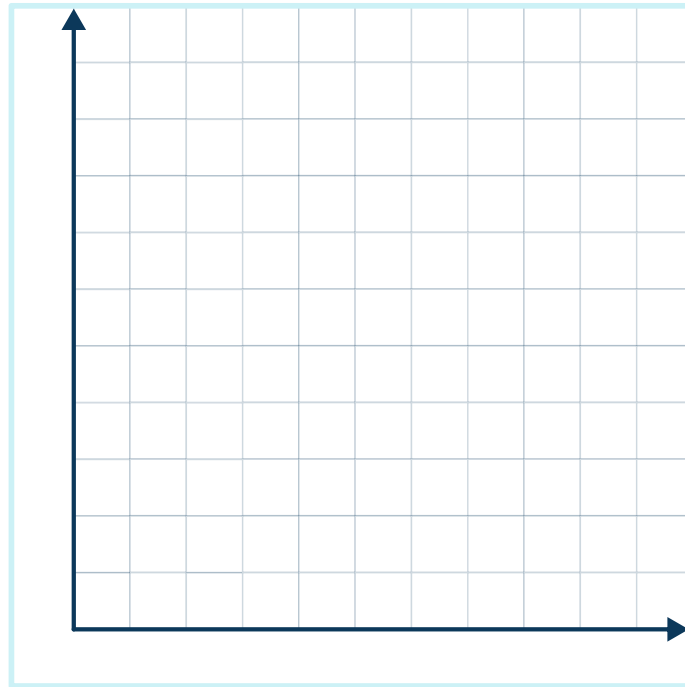
- 12** Start at the origin. Move 5 units to the right. Move 6 units up. Move 1 unit to the left. Move 3 units down. What coordinate do you end up on?



Answer

13

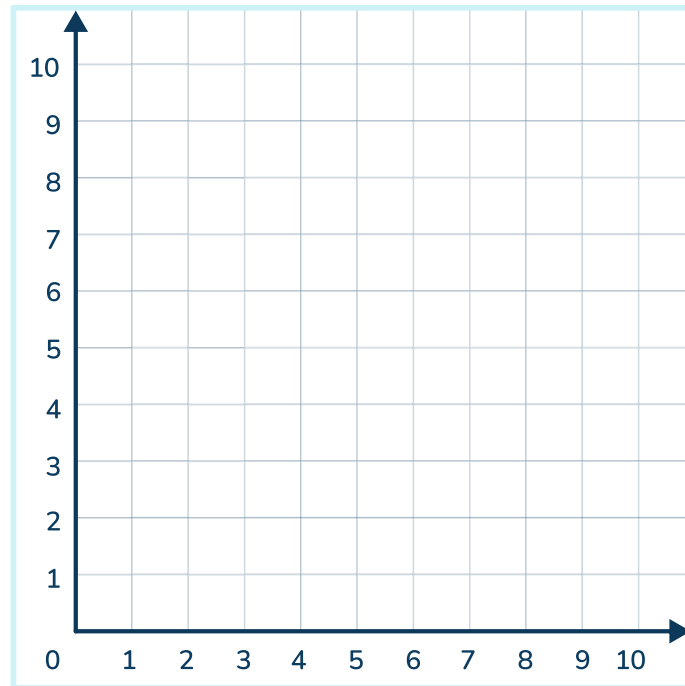
Apples in a bag (x)	2	5	6	3	7	4
Total ounces (y)	11	22	24	15	29	19



Fill in the x -axis and y -axis with a scale that fits the data. Then describe how you solved.

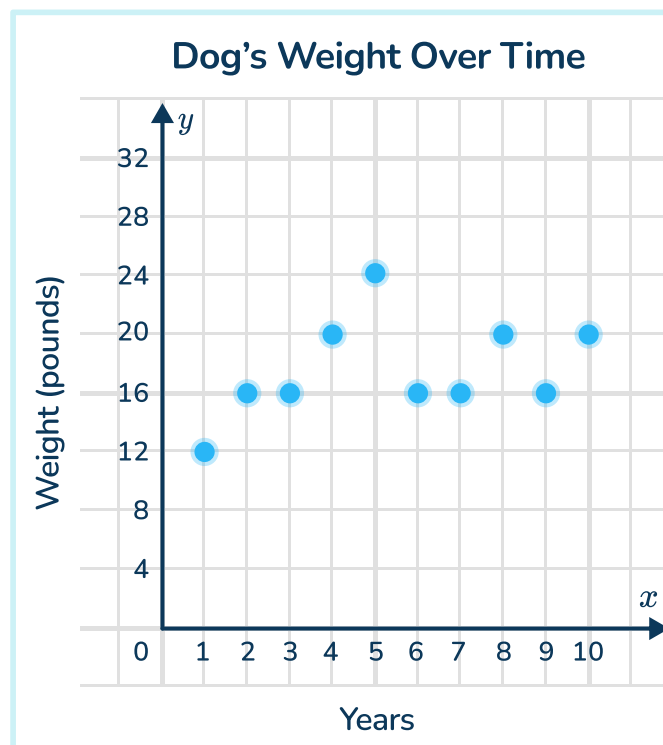
Answer

- 14 Plot $(2,2)$; $(4,5)$; $(10,5)$ and $(8,2)$. Then connect the points and name the shape.



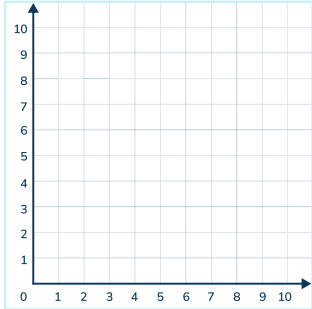
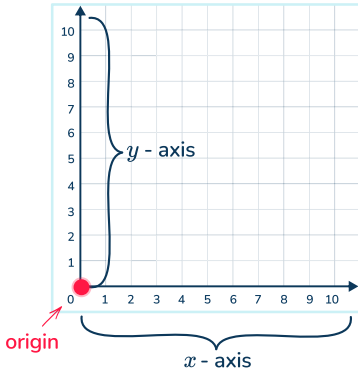
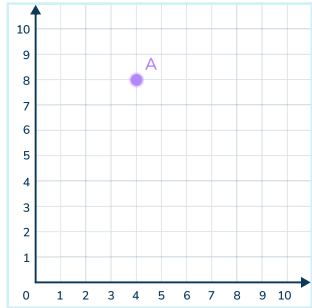
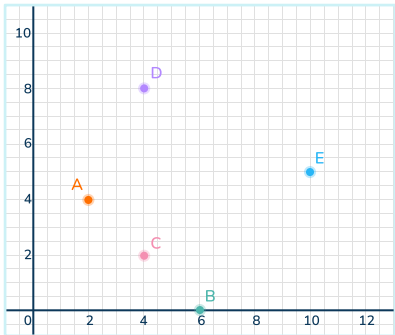
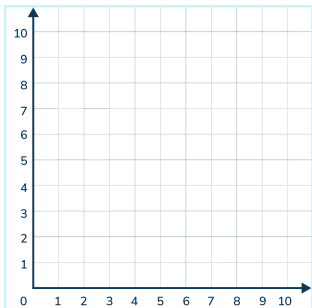
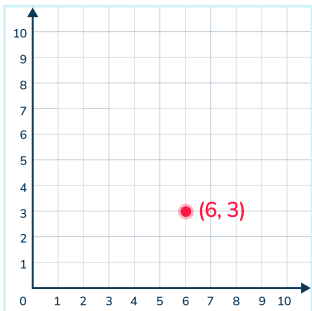
Answer

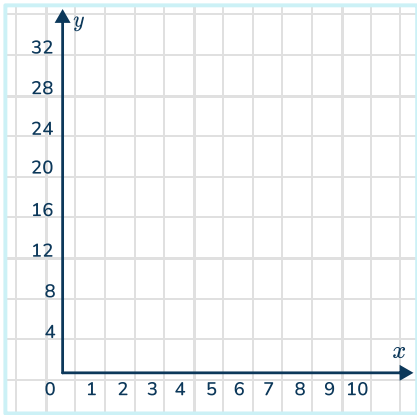
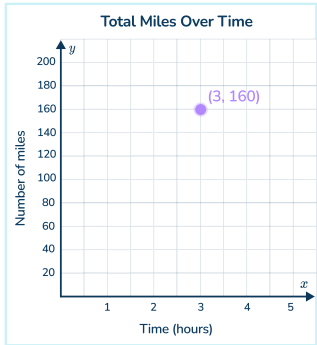
- 15 How old was the dog when it weighed the most?



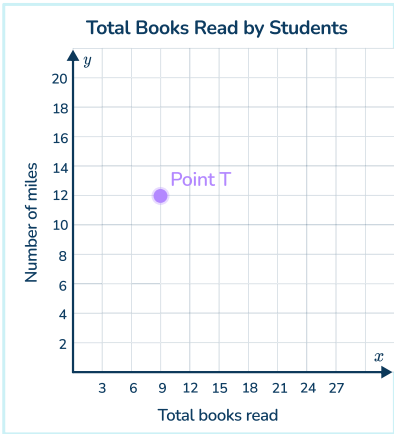
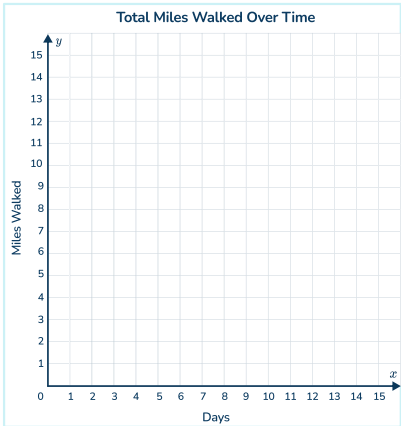
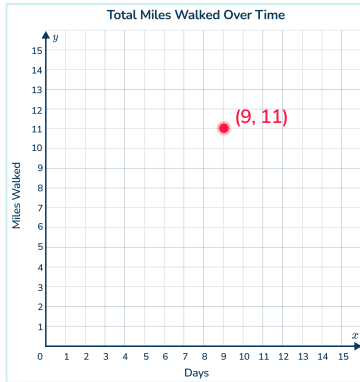
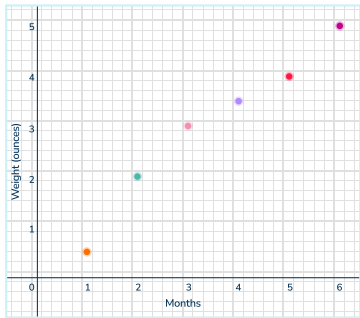
Answer

Answers

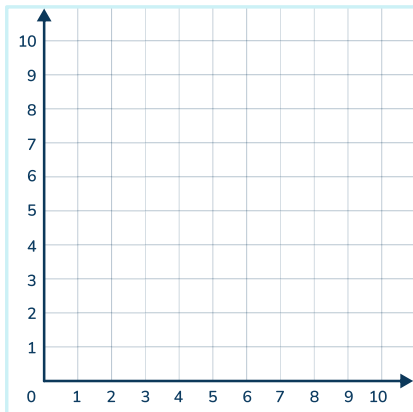
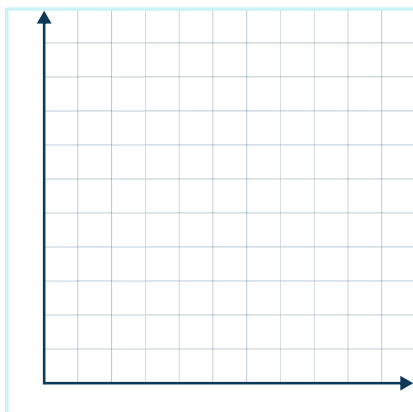
Question number	Question	Answers	Standard
1	Identify the x -axis, y -axis and origin. 		5.G.A.1
2	What are the coordinates of point A? 	(4, 8)	5.G.A.1
3	Which point is (4, 2)? 	C	5.G.A.1
4	Graph and label the point (6, 3). 		5.G.A.1

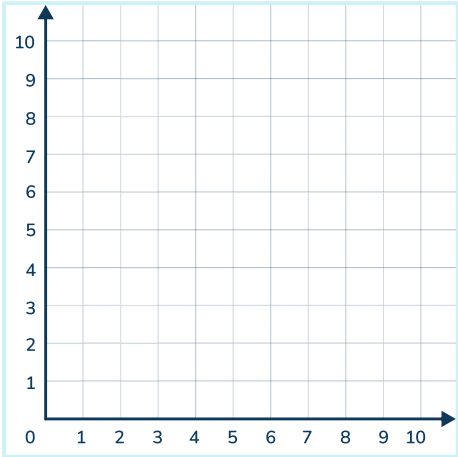
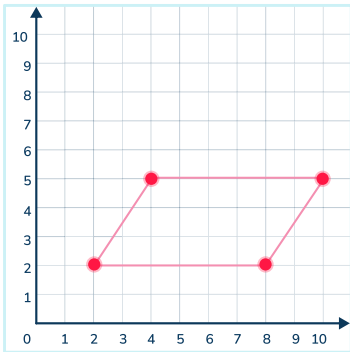
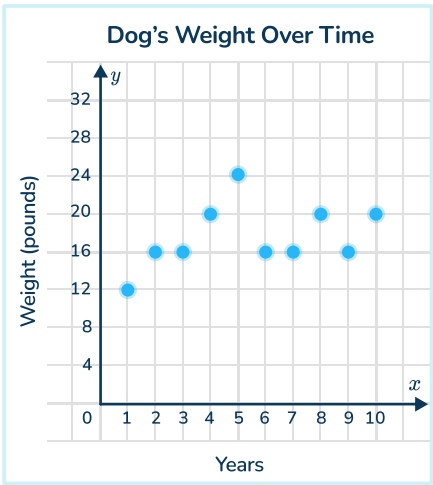
Question number	Question	Answers	Standard												
5	<p>Using this table of values, select the most appropriate scale to use for the y-axis.</p> <table border="1"><thead><tr><th>Pets</th><th>Number of People</th></tr></thead><tbody><tr><td>Cats</td><td>23</td></tr><tr><td>Dogs</td><td>47</td></tr><tr><td>Fish</td><td>14</td></tr><tr><td>Turtle</td><td>6</td></tr><tr><td>Bird</td><td>5</td></tr></tbody></table> <p>a) 0 - 100 increasing in multiples of 10 b) 0 - 42 increasing in multiples of 1 c) 0 - 10 increasing in multiples of 0.5 d) 0 - 50 increasing in multiples of 5</p>	Pets	Number of People	Cats	23	Dogs	47	Fish	14	Turtle	6	Bird	5	D	5.G.A.2
Pets	Number of People														
Cats	23														
Dogs	47														
Fish	14														
Turtle	6														
Bird	5														
6	 <p>a) What is the scale of the x-axis? b) What is the scale of the y-axis?</p>	a) 1 b) 4	5.G.A.2												
7	 <p>What is the meaning of (3, 160) within the context?</p>	160 miles traveled in 3 hours	5.G.A.2												

Coordinate Plane Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard
8	 <p>What is the meaning of Point T within the context?</p>	12 students read 9 books	5.G.A.2
9	<p>Jared walked 11 miles in 9 days. Graph this as a coordinate.</p> 		5.G.A.2
10	<p>The coordinates show the weight of hamsters during the first 6 months of their life: (1 month, 0.5 ounces); (2 months, 2 ounces); (3 months, 3 ounces); (4 months, 3.5 ounces); (5 months, 4 ounces); (6 months, 5 ounces). Graph the coordinates.</p>		5.G.A.2

Coordinate Plane Worksheet | Grades 4 to 5 | Answers

Question number	Question	Answers	Standard														
11	A map of a town is on a coordinate plane. The library is at (6, 2). Describe how to get to the library on the coordinate plane from the origin.	Go right from the origin 6 units and then up 2 units.	5.G.A.1														
12	Start at the origin. Move 5 units to the right. Move 6 units up. Move 1 unit to the left. Move 3 units down. What coordinate do you end up on? 	(4, 3)	5.G.A.1														
13	<table border="1" data-bbox="341 1236 877 1332"><tr><td>Apples in a bag (x)</td><td>2</td><td>5</td><td>6</td><td>3</td><td>7</td><td>4</td></tr><tr><td>Total ounces (y)</td><td>11</td><td>22</td><td>24</td><td>15</td><td>29</td><td>19</td></tr></table>  Fill in the x -axis and y -axis with a scale that fits the data. Then describe how you solved.	Apples in a bag (x)	2	5	6	3	7	4	Total ounces (y)	11	22	24	15	29	19	Answers may vary. Example answer: There are 10 tick marks on each axis. The x -axis can be 1-10, since this is the range of the apples in bags. The y -axis can be a scale of 3, going from 3 to 30, to fit all the total ounces.	5.G.A.1
Apples in a bag (x)	2	5	6	3	7	4											
Total ounces (y)	11	22	24	15	29	19											




Question number	Question	Answers	Standard
14	<p>Plot (2,2); (4,5); (10,5) and (8,2). Then connect the points and name the shape.</p> 	 <p>parallelogram</p>	5.G.A.1
15	<p>How old was the dog when it weighed the most?</p> 	5 years old	5.G.A.2

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