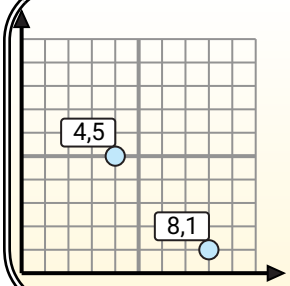
Finding Midpoint Based on Coordinates

Name:

Find the midpoint of the set of coordinates.



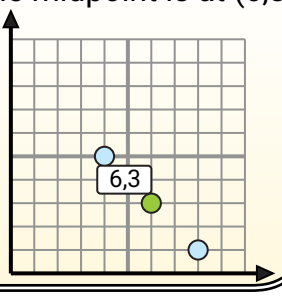
Midpoint Formula

$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

To find the midpoint of the coordinates (4,5) and (8,1), plug the values into the midpoint formula.

$$\frac{4 + 8}{2}, \frac{5 + 1}{2}$$

The midpoint is at (6,3).



1) (3 , 3) & (2 , 8)

2) (5 , 8) & (9 , 5)

3) (3 , 0) & (10 , 7)

4) (2 , 5) & (10 , 2)

5) (5 , 1) & (0 , 9)

6) (6 , 2) & (2 , 0)

7) (10 , 3) & (4 , 0)

8) (0 , 7) & (7 , 4)

9) (2 , 6) & (5 , 0)

10) (5 , 0) & (8 , 9)

11) (0 , 6) & (0 , 7)

12) (10 , 2) & (10 , 10)

Answers

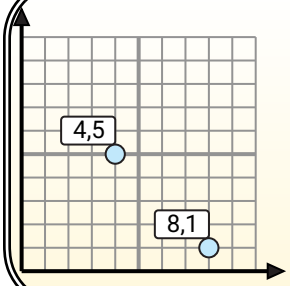
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Midpoint Based on Coordinates

Name: **Answer Key**

Find the midpoint of the set of coordinates.



Midpoint Formula

$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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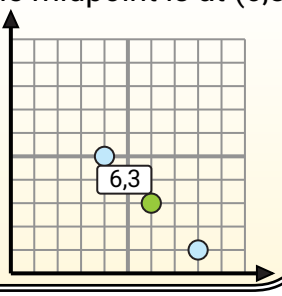
$$\frac{4 + 8}{2}, \frac{5 + 1}{2}$$

The midpoint is at (6,3)



1) (3 , 3) & (2 , 8) $(\frac{3+2}{2}, \frac{3+8}{2})$ = (2.5 , 5.5)

2) (5 , 8) & (9 , 5) $(\frac{5+9}{2}, \frac{8+5}{2})$ = (7 , 6.5)

3) (3 , 0) & (10 , 7) $(\frac{3+10}{2}, \frac{0+7}{2})$ = (6.5 , 3.5)

4) (2 , 5) & (10 , 2) $(\frac{2+10}{2}, \frac{5+2}{2})$ = (6 , 3.5)

5) (5 , 1) & (0 , 9) $(\frac{5+0}{2}, \frac{1+9}{2})$ = (2.5 , 5)

6) (6 , 2) & (2 , 0) $(\frac{6+2}{2}, \frac{2+0}{2})$ = (4 , 1)

7) (10 , 3) & (4 , 0) $(\frac{10+4}{2}, \frac{3+0}{2})$ = (7 , 1.5)

8) (0 , 7) & (7 , 4) $(\frac{0+7}{2}, \frac{7+4}{2})$ = (3.5 , 5.5)

9) (2 , 6) & (5 , 0) $(\frac{2+5}{2}, \frac{6+0}{2})$ = (3.5 , 3)

10) (5 , 0) & (8 , 9) $(\frac{5+8}{2}, \frac{0+9}{2})$ = (6.5 , 4.5)

11) (0 , 6) & (0 , 7) $(\frac{0+0}{2}, \frac{6+7}{2})$ = (0 , 6.5)

12) (10 , 2) & (10 , 10) $(\frac{10+10}{2}, \frac{2+10}{2})$ = (10 , 6)

Answers

1. (2.5 , 5.5)
2. (7 , 6.5)
3. (6.5 , 3.5)
4. (6 , 3.5)
5. (2.5 , 5)
6. (4 , 1)
7. (7 , 1.5)
8. (3.5 , 5.5)
9. (3.5 , 3)
10. (6.5 , 4.5)
11. (0 , 6.5)
12. (10 , 6)

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								