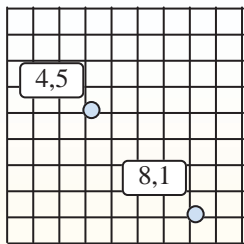




Find the midpoint of each set of coordinates.

Answers



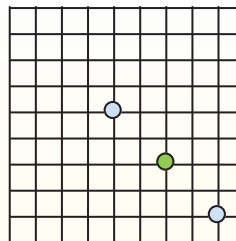
Midpoint Formula

$$\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2} \right)$$

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

$$\left(\frac{4 + 8}{2}, \frac{5 + 1}{2} \right)$$

The midpoint is at
(6, 3)

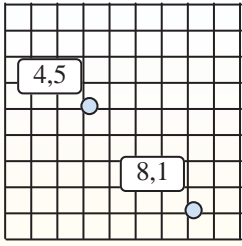


- 1) (2, 9) & (5, 5)
- 2) (7, 0) & (10, 3)
- 3) (5, 1) & (5, 10)
- 4) (6, 8) & (0, 9)
- 5) (5, 2) & (4, 9)
- 6) (1, 3) & (4, 1)
- 7) (10, 0) & (10, 8)
- 8) (0, 3) & (8, 10)
- 9) (7, 3) & (9, 5)
- 10) (0, 8) & (10, 10)
- 11) (4, 8) & (10, 9)
- 12) (9, 1) & (6, 9)

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



Find the midpoint of each set of coordinates.



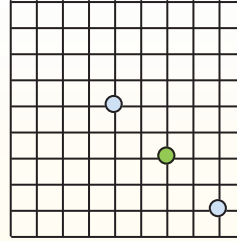
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The midpoint is at
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Answers

1. (3.5, 7)

2. (8.5, 1.5)

3. (5, 5.5)

4. (3, 8.5)

5. (4.5, 5.5)

6. (2.5, 2)

7. (10, 4)

8. (4, 6.5)

9. (8, 4)

10. (5, 9)

11. (7, 8.5)

12. (7.5, 5)

1) $(2, 9) \& (5, 5) \quad \left(\frac{2+5}{2}, \frac{9+5}{2} \right) = (3.5, 7)$

2) $(7, 0) \& (10, 3) \quad \left(\frac{7+10}{2}, \frac{0+3}{2} \right) = (8.5, 1.5)$

3) $(5, 1) \& (5, 10) \quad \left(\frac{5+5}{2}, \frac{1+10}{2} \right) = (5, 5.5)$

4) $(6, 8) \& (0, 9) \quad \left(\frac{6+0}{2}, \frac{8+9}{2} \right) = (3, 8.5)$

5) $(5, 2) \& (4, 9) \quad \left(\frac{5+4}{2}, \frac{2+9}{2} \right) = (4.5, 5.5)$

6) $(1, 3) \& (4, 1) \quad \left(\frac{1+4}{2}, \frac{3+1}{2} \right) = (2.5, 2)$

7) $(10, 0) \& (10, 8) \quad \left(\frac{10+10}{2}, \frac{0+8}{2} \right) = (10, 4)$

8) $(0, 3) \& (8, 10) \quad \left(\frac{0+8}{2}, \frac{3+10}{2} \right) = (4, 6.5)$

9) $(7, 3) \& (9, 5) \quad \left(\frac{7+9}{2}, \frac{3+5}{2} \right) = (8, 4)$

10) $(0, 8) \& (10, 10) \quad \left(\frac{0+10}{2}, \frac{8+10}{2} \right) = (5, 9)$

11) $(4, 8) \& (10, 9) \quad \left(\frac{4+10}{2}, \frac{8+9}{2} \right) = (7, 8.5)$

12) $(9, 1) \& (6, 9) \quad \left(\frac{9+6}{2}, \frac{1+9}{2} \right) = (7.5, 5)$