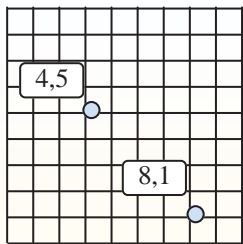




Find the midpoint of each set of coordinates.

Answers



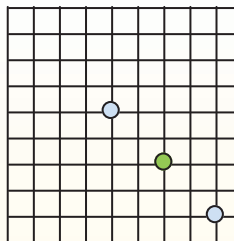
**Midpoint Formula**

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

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)

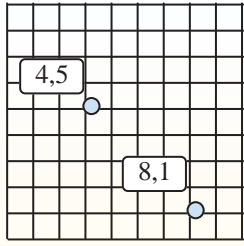


- 1) (3, 10) & (10, 7)
- 2) (9, 10) & (1, 6)
- 3) (10, 1) & (3, 5)
- 4) (2, 0) & (6, 2)
- 5) (2, 10) & (2, 10)
- 6) (7, 2) & (3, 5)
- 7) (0, 1) & (4, 9)
- 8) (0, 2) & (3, 10)
- 9) (0, 5) & (5, 10)
- 10) (10, 7) & (0, 6)
- 11) (0, 8) & (4, 0)
- 12) (1, 4) & (5, 10)

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



Find the midpoint of each set of coordinates.



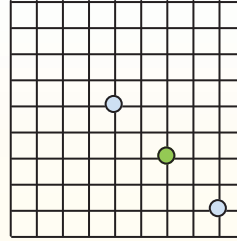
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The midpoint is at  
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**Answers**

1. (6.5, 8.5)

2. (5, 8)

3. (6.5, 3)

4. (4, 1)

5. (2, 10)

6. (5, 3.5)

7. (2, 5)

8. (1.5, 6)

9. (2.5, 7.5)

10. (5, 6.5)

11. (2, 4)

12. (3, 7)

1)  $(3, 10) \& (10, 7) \quad \left( \frac{3+10}{2}, \frac{10+7}{2} \right) = (6.5, 8.5)$

2)  $(9, 10) \& (1, 6) \quad \left( \frac{9+1}{2}, \frac{10+6}{2} \right) = (5, 8)$

3)  $(10, 1) \& (3, 5) \quad \left( \frac{10+3}{2}, \frac{1+5}{2} \right) = (6.5, 3)$

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

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

6)  $(7, 2) \& (3, 5) \quad \left( \frac{7+3}{2}, \frac{2+5}{2} \right) = (5, 3.5)$

7)  $(0, 1) \& (4, 9) \quad \left( \frac{0+4}{2}, \frac{1+9}{2} \right) = (2, 5)$

8)  $(0, 2) \& (3, 10) \quad \left( \frac{0+3}{2}, \frac{2+10}{2} \right) = (1.5, 6)$

9)  $(0, 5) \& (5, 10) \quad \left( \frac{0+5}{2}, \frac{5+10}{2} \right) = (2.5, 7.5)$

10)  $(10, 7) \& (0, 6) \quad \left( \frac{10+0}{2}, \frac{7+6}{2} \right) = (5, 6.5)$

11)  $(0, 8) \& (4, 0) \quad \left( \frac{0+4}{2}, \frac{8+0}{2} \right) = (2, 4)$

12)  $(1, 4) \& (5, 10) \quad \left( \frac{1+5}{2}, \frac{4+10}{2} \right) = (3, 7)$