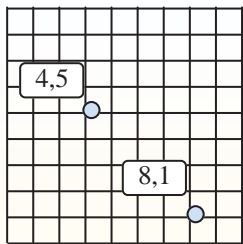




Find the midpoint of each set of coordinates.

**Answers**



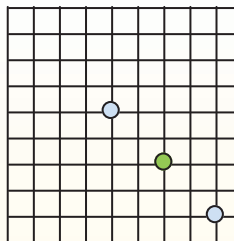
**Midpoint Formula**

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

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) (1, 9) & (3, 0)

2) (8, 4) & (9, 2)

3) (6, 9) & (8, 3)

4) (1, 9) & (3, 2)

5) (7, 3) & (4, 6)

6) (10, 7) & (2, 5)

7) (2, 9) & (8, 7)

8) (1, 4) & (4, 0)

9) (10, 2) & (9, 2)

10) (3, 9) & (5, 4)

11) (6, 3) & (2, 1)

12) (3, 9) & (3, 4)

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

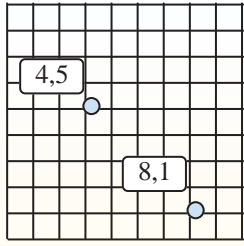
10. \_\_\_\_\_

11. \_\_\_\_\_

12. \_\_\_\_\_



Find the midpoint of each set of coordinates.



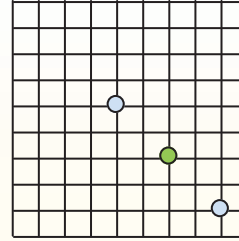
**Midpoint Formula**

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The midpoint is at  
(6, 3)



**Answers**

1. (2, 4.5)

2. (8.5, 3)

3. (7, 6)

4. (2, 5.5)

5. (5.5, 4.5)

6. (6, 6)

7. (5, 8)

8. (2.5, 2)

9. (9.5, 2)

10. (4, 6.5)

11. (4, 2)

12. (3, 6.5)

1)  $(1, 9) \& (3, 0) \quad \left( \frac{1+3}{2}, \frac{9+0}{2} \right) = (2, 4.5)$

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

3)  $(6, 9) \& (8, 3) \quad \left( \frac{6+8}{2}, \frac{9+3}{2} \right) = (7, 6)$

4)  $(1, 9) \& (3, 2) \quad \left( \frac{1+3}{2}, \frac{9+2}{2} \right) = (2, 5.5)$

5)  $(7, 3) \& (4, 6) \quad \left( \frac{7+4}{2}, \frac{3+6}{2} \right) = (5.5, 4.5)$

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

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

8)  $(1, 4) \& (4, 0) \quad \left( \frac{1+4}{2}, \frac{4+0}{2} \right) = (2.5, 2)$

9)  $(10, 2) \& (9, 2) \quad \left( \frac{10+9}{2}, \frac{2+2}{2} \right) = (9.5, 2)$

10)  $(3, 9) \& (5, 4) \quad \left( \frac{3+5}{2}, \frac{9+4}{2} \right) = (4, 6.5)$

11)  $(6, 3) \& (2, 1) \quad \left( \frac{6+2}{2}, \frac{3+1}{2} \right) = (4, 2)$

12)  $(3, 9) \& (3, 4) \quad \left( \frac{3+3}{2}, \frac{9+4}{2} \right) = (3, 6.5)$