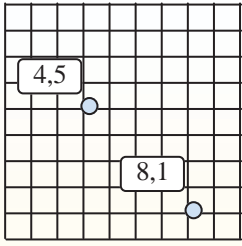




Find the midpoint of each set of coordinates.



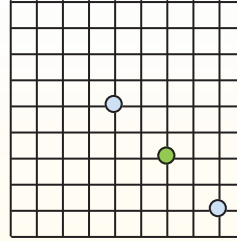
**Midpoint Formula**

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

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)



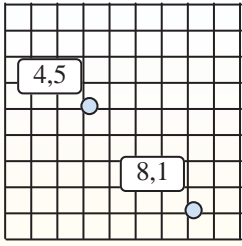
**Answers**

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

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



Find the midpoint of each set of coordinates.



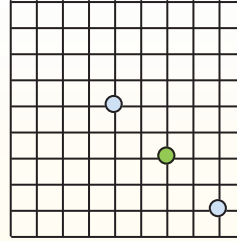
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The midpoint is at  
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**Answers**

1. (2.5, 6.5)

2. (7.5, 4)

3. (4.5, 5)

4. (5.5, 5.5)

5. (4.5, 4.5)

6. (2, 9)

7. (4.5, 1.5)

8. (5.5, 1)

9. (6.5, 5)

10. (7.5, 6)

11. (3.5, 7)

12. (6, 4.5)

1)  $(3, 8) \& (2, 5) \quad \left( \frac{3+2}{2}, \frac{8+5}{2} \right) = (2.5, 6.5)$

2)  $(5, 5) \& (10, 3) \quad \left( \frac{5+10}{2}, \frac{5+3}{2} \right) = (7.5, 4)$

3)  $(9, 7) \& (0, 3) \quad \left( \frac{9+0}{2}, \frac{7+3}{2} \right) = (4.5, 5)$

4)  $(8, 2) \& (3, 9) \quad \left( \frac{8+3}{2}, \frac{2+9}{2} \right) = (5.5, 5.5)$

5)  $(8, 7) \& (1, 2) \quad \left( \frac{8+1}{2}, \frac{7+2}{2} \right) = (4.5, 4.5)$

6)  $(1, 9) \& (3, 9) \quad \left( \frac{1+3}{2}, \frac{9+9}{2} \right) = (2, 9)$

7)  $(7, 3) \& (2, 0) \quad \left( \frac{7+2}{2}, \frac{3+0}{2} \right) = (4.5, 1.5)$

8)  $(5, 0) \& (6, 2) \quad \left( \frac{5+6}{2}, \frac{0+2}{2} \right) = (5.5, 1)$

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

10)  $(5, 7) \& (10, 5) \quad \left( \frac{5+10}{2}, \frac{7+5}{2} \right) = (7.5, 6)$

11)  $(6, 10) \& (1, 4) \quad \left( \frac{6+1}{2}, \frac{10+4}{2} \right) = (3.5, 7)$

12)  $(10, 3) \& (2, 6) \quad \left( \frac{10+2}{2}, \frac{3+6}{2} \right) = (6, 4.5)$