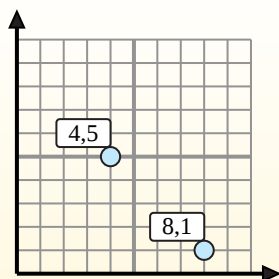




Find the midpoint of each set of coordinates.

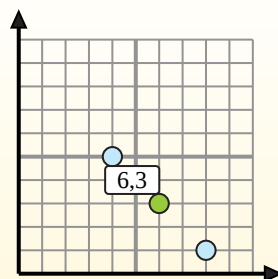
Answers**Midpoint Formula**

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

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) (10, 9) & (8, 1)

2) (4, 0) & (7, 3)

3) (8, 0) & (7, 3)

4) (3, 0) & (3, 1)

5) (9, 5) & (3, 1)

6) (3, 9) & (4, 10)

7) (10, 1) & (3, 1)

8) (4, 3) & (3, 0)

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

10) (4, 4) & (1, 9)

11) (2, 6) & (8, 1)

12) (6, 5) & (8, 7)

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____



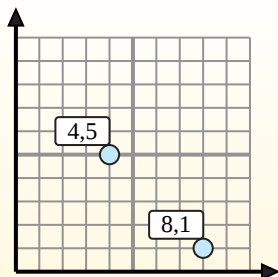
Find the midpoint of each set of coordinates.

Midpoint Formula

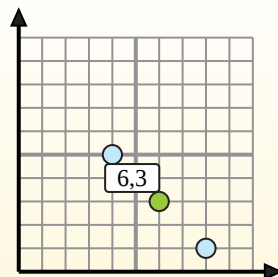
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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).

**Answers**

1. **(9, 5)**

2. **(5.5, 1.5)**

3. **(7.5, 1.5)**

4. **(3, 0.5)**

5. **(6, 3)**

6. **(3.5, 9.5)**

7. **(6.5, 1)**

8. **(3.5, 1.5)**

9. **(6.5, 5.5)**

10. **(2.5, 6.5)**

11. **(5, 3.5)**

12. **(7, 6)**

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

2) $(4, 0) \& (7, 3) \quad \left(\frac{4+7}{2}, \frac{0+3}{2} \right) = (5.5, 1.5)$

3) $(8, 0) \& (7, 3) \quad \left(\frac{8+7}{2}, \frac{0+3}{2} \right) = (7.5, 1.5)$

4) $(3, 0) \& (3, 1) \quad \left(\frac{3+3}{2}, \frac{0+1}{2} \right) = (3, 0.5)$

5) $(9, 5) \& (3, 1) \quad \left(\frac{9+3}{2}, \frac{5+1}{2} \right) = (6, 3)$

6) $(3, 9) \& (4, 10) \quad \left(\frac{3+4}{2}, \frac{9+10}{2} \right) = (3.5, 9.5)$

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

8) $(4, 3) \& (3, 0) \quad \left(\frac{4+3}{2}, \frac{3+0}{2} \right) = (3.5, 1.5)$

9) $(5, 9) \& (8, 2) \quad \left(\frac{5+8}{2}, \frac{9+2}{2} \right) = (6.5, 5.5)$

10) $(4, 4) \& (1, 9) \quad \left(\frac{4+1}{2}, \frac{4+9}{2} \right) = (2.5, 6.5)$

11) $(2, 6) \& (8, 1) \quad \left(\frac{2+8}{2}, \frac{6+1}{2} \right) = (5, 3.5)$

12) $(6, 5) \& (8, 7) \quad \left(\frac{6+8}{2}, \frac{5+7}{2} \right) = (7, 6)$