



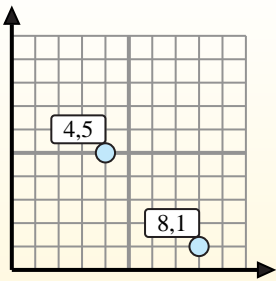
Find the midpoint of the set of coordinates.

**Midpoint Formula**

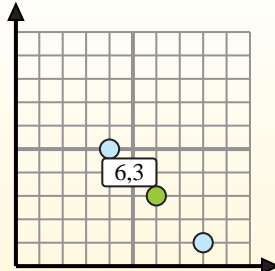
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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

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



Find the midpoint of the set of coordinates.

**Midpoint Formula**

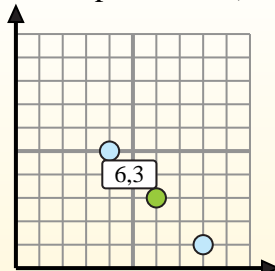
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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)  $(7, 10) \& (1, 8) \left( \frac{7+1}{2}, \frac{10+8}{2} \right) = (4, 9)$

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

3)  $(5, 4) \& (1, 7) \left( \frac{5+1}{2}, \frac{4+7}{2} \right) = (3, 5.5)$

4)  $(3, 0) \& (3, 10) \left( \frac{3+3}{2}, \frac{0+10}{2} \right) = (3, 5)$

5)  $(2, 10) \& (0, 4) \left( \frac{2+0}{2}, \frac{10+4}{2} \right) = (1, 7)$

6)  $(7, 7) \& (2, 10) \left( \frac{7+2}{2}, \frac{7+10}{2} \right) = (4.5, 8.5)$

7)  $(1, 6) \& (4, 8) \left( \frac{1+4}{2}, \frac{6+8}{2} \right) = (2.5, 7)$

8)  $(9, 7) \& (1, 5) \left( \frac{9+1}{2}, \frac{7+5}{2} \right) = (5, 6)$

9)  $(2, 5) \& (1, 8) \left( \frac{2+1}{2}, \frac{5+8}{2} \right) = (1.5, 6.5)$

10)  $(0, 10) \& (6, 1) \left( \frac{0+6}{2}, \frac{10+1}{2} \right) = (3, 5.5)$

11)  $(9, 9) \& (0, 7) \left( \frac{9+0}{2}, \frac{9+7}{2} \right) = (4.5, 8)$

12)  $(5, 4) \& (2, 8) \left( \frac{5+2}{2}, \frac{4+8}{2} \right) = (3.5, 6)$

1. (4, 9)
2. (2, 9.5)
3. (3, 5.5)
4. (3, 5)
5. (1, 7)
6. (4.5, 8.5)
7. (2.5, 7)
8. (5, 6)
9. (1.5, 6.5)
10. (3, 5.5)
11. (4.5, 8)
12. (3.5, 6)