



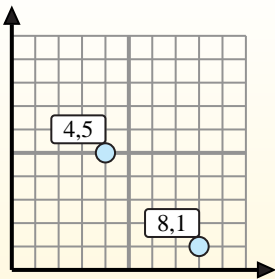
Find the midpoint of the set of coordinates.

Midpoint Formula

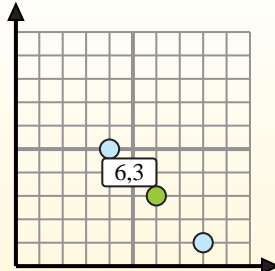
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$

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) (1 , 8) & (10 , 4)

2) (5 , 1) & (2 , 0)

3) (2 , 5) & (3 , 5)

4) (7 , 6) & (4 , 6)

5) (10 , 9) & (1 , 5)

6) (4 , 1) & (0 , 0)

7) (0 , 5) & (1 , 1)

8) (2 , 0) & (1 , 7)

9) (6 , 7) & (9 , 2)

10) (3 , 10) & (4 , 4)

11) (7 , 5) & (7 , 7)

12) (0 , 3) & (1 , 8)

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



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To find the midpoint of the coordinates (4,5) and (8,1), plug the values into the midpoint formula.

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The midpoint is at (6,3).



Answers

- 1) $(1, 8) \& (10, 4) \left(\frac{1+10}{2}, \frac{8+4}{2} \right) = (5.5, 6)$
- 2) $(5, 1) \& (2, 0) \left(\frac{5+2}{2}, \frac{1+0}{2} \right) = (3.5, 0.5)$
- 3) $(2, 5) \& (3, 5) \left(\frac{2+3}{2}, \frac{5+5}{2} \right) = (2.5, 5)$
- 4) $(7, 6) \& (4, 6) \left(\frac{7+4}{2}, \frac{6+6}{2} \right) = (5.5, 6)$
- 5) $(10, 9) \& (1, 5) \left(\frac{10+1}{2}, \frac{9+5}{2} \right) = (5.5, 7)$
- 6) $(4, 1) \& (0, 0) \left(\frac{4+0}{2}, \frac{1+0}{2} \right) = (2, 0.5)$
- 7) $(0, 5) \& (1, 1) \left(\frac{0+1}{2}, \frac{5+1}{2} \right) = (0.5, 3)$
- 8) $(2, 0) \& (1, 7) \left(\frac{2+1}{2}, \frac{0+7}{2} \right) = (1.5, 3.5)$
- 9) $(6, 7) \& (9, 2) \left(\frac{6+9}{2}, \frac{7+2}{2} \right) = (7.5, 4.5)$
- 10) $(3, 10) \& (4, 4) \left(\frac{3+4}{2}, \frac{10+4}{2} \right) = (3.5, 7)$
- 11) $(7, 5) \& (7, 7) \left(\frac{7+7}{2}, \frac{5+7}{2} \right) = (7, 6)$
- 12) $(0, 3) \& (1, 8) \left(\frac{0+1}{2}, \frac{3+8}{2} \right) = (0.5, 5.5)$

1. (5.5, 6)
2. (3.5, 0.5)
3. (2.5, 5)
4. (5.5, 6)
5. (5.5, 7)
6. (2, 0.5)
7. (0.5, 3)
8. (1.5, 3.5)
9. (7.5, 4.5)
10. (3.5, 7)
11. (7, 6)
12. (0.5, 5.5)