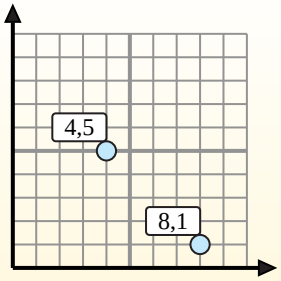
Find the midpoint of the set of coordinates.

Midpoint Formula

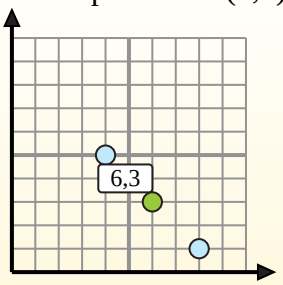
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$



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).



1) (0 , 0) & (6 , 3)

2) (3 , 1) & (2 , 3)

3) (7 , 9) & (8 , 5)

4) (5 , 0) & (8 , 8)

5) (5 , 3) & (6 , 10)

6) (5 , 5) & (9 , 4)

7) (4 , 8) & (3 , 10)

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

9) (4 , 5) & (7 , 10)

10) (5 , 0) & (9 , 8)

11) (9 , 9) & (7 , 10)

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

Answers

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

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

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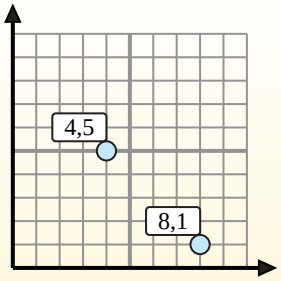

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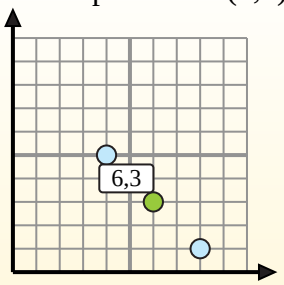

1) (0 , 0) & (6 , 3) $\left(\frac{0+6}{2}, \frac{0+3}{2}\right)$ = (3 , 1.5)

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

3) (7 , 9) & (8 , 5) $\left(\frac{7+8}{2}, \frac{9+5}{2}\right)$ = (7.5 , 7)

4) (5 , 0) & (8 , 8) $\left(\frac{5+8}{2}, \frac{0+8}{2}\right)$ = (6.5 , 4)

5) (5 , 3) & (6 , 10) $\left(\frac{5+6}{2}, \frac{3+10}{2}\right)$ = (5.5 , 6.5)

6) (5 , 5) & (9 , 4) $\left(\frac{5+9}{2}, \frac{5+4}{2}\right)$ = (7 , 4.5)

7) (4 , 8) & (3 , 10) $\left(\frac{4+3}{2}, \frac{8+10}{2}\right)$ = (3.5 , 9)

8) (6 , 8) & (8 , 9) $\left(\frac{6+8}{2}, \frac{8+9}{2}\right)$ = (7 , 8.5)

9) (4 , 5) & (7 , 10) $\left(\frac{4+7}{2}, \frac{5+10}{2}\right)$ = (5.5 , 7.5)

10) (5 , 0) & (9 , 8) $\left(\frac{5+9}{2}, \frac{0+8}{2}\right)$ = (7 , 4)

11) (9 , 9) & (7 , 10) $\left(\frac{9+7}{2}, \frac{9+10}{2}\right)$ = (8 , 9.5)

12) (5 , 5) & (8 , 7) $\left(\frac{5+8}{2}, \frac{5+7}{2}\right)$ = (6.5 , 6)

Answers

1. (3 , 1.5)
2. (2.5 , 2)
3. (7.5 , 7)
4. (6.5 , 4)
5. (5.5 , 6.5)
6. (7 , 4.5)
7. (3.5 , 9)
8. (7 , 8.5)
9. (5.5 , 7.5)
10. (7 , 4)
11. (8 , 9.5)
12. (6.5 , 6)

1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								