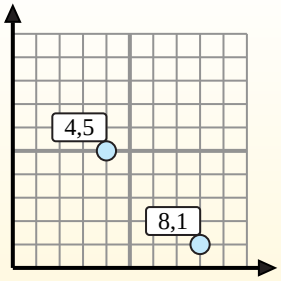
Find the midpoint of the set of coordinates.

Midpoint Formula

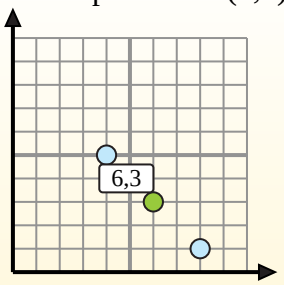
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$



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) (6 , 2) & (2 , 3)

2) (10 , 1) & (8 , 4)

3) (4 , 6) & (5 , 0)

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

5) (2 , 7) & (1 , 4)

6) (3 , 2) & (5 , 1)

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

8) (1 , 2) & (0 , 6)

9) (2 , 0) & (7 , 1)

10) (5 , 4) & (0 , 2)

11) (2 , 5) & (6 , 2)

12) (5 , 1) & (9 , 2)

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								

Find the midpoint of the set of coordinates.

Midpoint Formula

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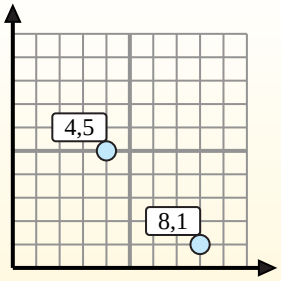

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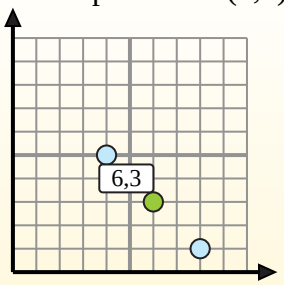

1) (6 , 2) & (2 , 3) $\left(\frac{6+2}{2}, \frac{2+3}{2}\right)$ = (4 , 2.5)

2) (10 , 1) & (8 , 4) $\left(\frac{10+8}{2}, \frac{1+4}{2}\right)$ = (9 , 2.5)

3) (4 , 6) & (5 , 0) $\left(\frac{4+5}{2}, \frac{6+0}{2}\right)$ = (4.5 , 3)

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

5) (2 , 7) & (1 , 4) $\left(\frac{2+1}{2}, \frac{7+4}{2}\right)$ = (1.5 , 5.5)

6) (3 , 2) & (5 , 1) $\left(\frac{3+5}{2}, \frac{2+1}{2}\right)$ = (4 , 1.5)

7) (3 , 1) & (10 , 7) $\left(\frac{3+10}{2}, \frac{1+7}{2}\right)$ = (6.5 , 4)

8) (1 , 2) & (0 , 6) $\left(\frac{1+0}{2}, \frac{2+6}{2}\right)$ = (0.5 , 4)

9) (2 , 0) & (7 , 1) $\left(\frac{2+7}{2}, \frac{0+1}{2}\right)$ = (4.5 , 0.5)

10) (5 , 4) & (0 , 2) $\left(\frac{5+0}{2}, \frac{4+2}{2}\right)$ = (2.5 , 3)

11) (2 , 5) & (6 , 2) $\left(\frac{2+6}{2}, \frac{5+2}{2}\right)$ = (4 , 3.5)

12) (5 , 1) & (9 , 2) $\left(\frac{5+9}{2}, \frac{1+2}{2}\right)$ = (7 , 1.5)

Answers

1. (4 , 2.5)
2. (9 , 2.5)
3. (4.5 , 3)
4. (3.5 , 4)
5. (1.5 , 5.5)
6. (4 , 1.5)
7. (6.5 , 4)
8. (0.5 , 4)
9. (4.5 , 0.5)
10. (2.5 , 3)
11. (4 , 3.5)
12. (7 , 1.5)

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