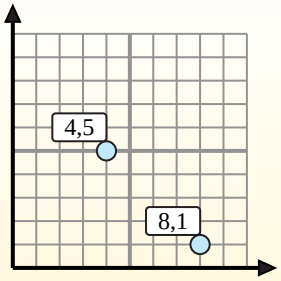
Finding Midpoint Based on Coordinates

Name:

Find the midpoint of the set of coordinates.

Midpoint Formula

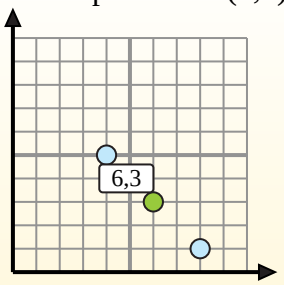
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$



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) (7 , 9) & (5 , 1)

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

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

4) (6 , 6) & (6 , 10)

5) (4 , 3) & (1 , 0)

6) (8 , 7) & (7 , 2)

7) (3 , 6) & (8 , 4)

8) (9 , 1) & (9 , 3)

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

10) (8 , 3) & (6 , 9)

11) (6 , 7) & (1 , 10)

12) (10 , 6) & (4 , 4)

Answers

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

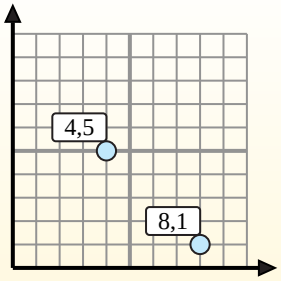
1-10	92	83	75	67	58	50	42	33	25	17
11-12	8	0								

Finding Midpoint Based on Coordinates Name: **Answer Key**

Find the midpoint of the set of coordinates.

Midpoint Formula

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



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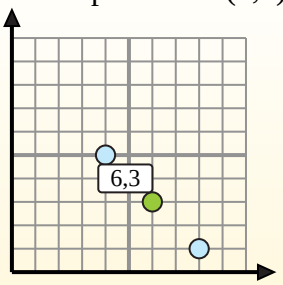

1) (7 , 9) & (5 , 1) $\left(\frac{7+5}{2}, \frac{9+1}{2}\right)$ = (6 , 5)

2) (4 , 0) & (7 , 7) $\left(\frac{4+7}{2}, \frac{0+7}{2}\right)$ = (5.5 , 3.5)

3) (1 , 0) & (8 , 0) $\left(\frac{1+8}{2}, \frac{0+0}{2}\right)$ = (4.5 , 0)

4) (6 , 6) & (6 , 10) $\left(\frac{6+6}{2}, \frac{6+10}{2}\right)$ = (6 , 8)

5) (4 , 3) & (1 , 0) $\left(\frac{4+1}{2}, \frac{3+0}{2}\right)$ = (2.5 , 1.5)

6) (8 , 7) & (7 , 2) $\left(\frac{8+7}{2}, \frac{7+2}{2}\right)$ = (7.5 , 4.5)

7) (3 , 6) & (8 , 4) $\left(\frac{3+8}{2}, \frac{6+4}{2}\right)$ = (5.5 , 5)

8) (9 , 1) & (9 , 3) $\left(\frac{9+9}{2}, \frac{1+3}{2}\right)$ = (9 , 2)

9) (0 , 5) & (10 , 10) $\left(\frac{0+10}{2}, \frac{5+10}{2}\right)$ = (5 , 7.5)

10) (8 , 3) & (6 , 9) $\left(\frac{8+6}{2}, \frac{3+9}{2}\right)$ = (7 , 6)

11) (6 , 7) & (1 , 10) $\left(\frac{6+1}{2}, \frac{7+10}{2}\right)$ = (3.5 , 8.5)

12) (10 , 6) & (4 , 4) $\left(\frac{10+4}{2}, \frac{6+4}{2}\right)$ = (7 , 5)

Answers

1. (6 , 5)
2. (5.5 , 3.5)
3. (4.5 , 0)
4. (6 , 8)
5. (2.5 , 1.5)
6. (7.5 , 4.5)
7. (5.5 , 5)
8. (9 , 2)
9. (5 , 7.5)
10. (7 , 6)
11. (3.5 , 8.5)
12. (7 , 5)

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