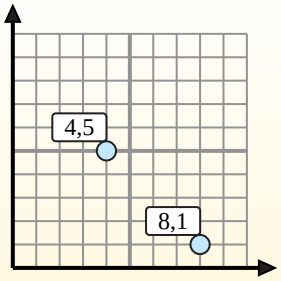
Find the midpoint of the set of coordinates.



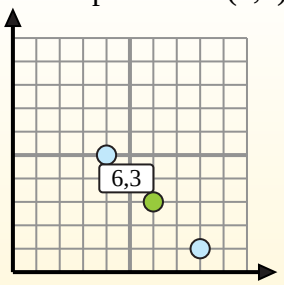
Midpoint Formula

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

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

2) (10 , 6) & (5 , 9)

3) (9 , 10) & (7 , 0)

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

5) (3 , 9) & (9 , 3)

6) (2 , 3) & (4 , 2)

7) (5 , 0) & (8 , 8)

8) (1 , 9) & (2 , 5)

9) (2 , 4) & (5 , 10)

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

11) (1 , 4) & (6 , 5)

12) (10 , 10) & (1 , 1)

Answers

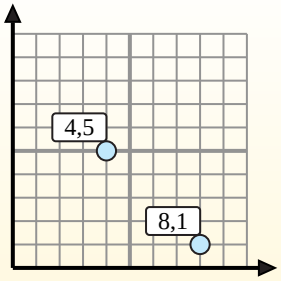
1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

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

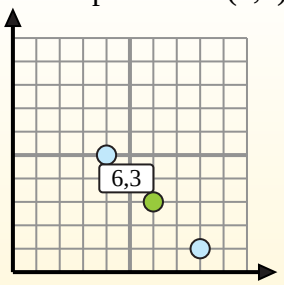
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$



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) (4 , 10) & (4 , 1) $\left(\frac{4+4}{2}, \frac{10+1}{2}\right)$ = (4 , 5.5)

2) (10 , 6) & (5 , 9) $\left(\frac{10+5}{2}, \frac{6+9}{2}\right)$ = (7.5 , 7.5)

3) (9 , 10) & (7 , 0) $\left(\frac{9+7}{2}, \frac{10+0}{2}\right)$ = (8 , 5)

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

5) (3 , 9) & (9 , 3) $\left(\frac{3+9}{2}, \frac{9+3}{2}\right)$ = (6 , 6)

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

7) (5 , 0) & (8 , 8) $\left(\frac{5+8}{2}, \frac{0+8}{2}\right)$ = (6.5 , 4)

8) (1 , 9) & (2 , 5) $\left(\frac{1+2}{2}, \frac{9+5}{2}\right)$ = (1.5 , 7)

9) (2 , 4) & (5 , 10) $\left(\frac{2+5}{2}, \frac{4+10}{2}\right)$ = (3.5 , 7)

10) (4 , 1) & (2 , 10) $\left(\frac{4+2}{2}, \frac{1+10}{2}\right)$ = (3 , 5.5)

11) (1 , 4) & (6 , 5) $\left(\frac{1+6}{2}, \frac{4+5}{2}\right)$ = (3.5 , 4.5)

12) (10 , 10) & (1 , 1) $\left(\frac{10+1}{2}, \frac{10+1}{2}\right)$ = (5.5 , 5.5)

Answers

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

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