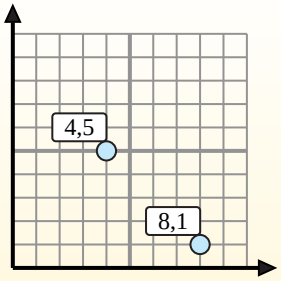
Find the midpoint of the set of coordinates.

Midpoint Formula

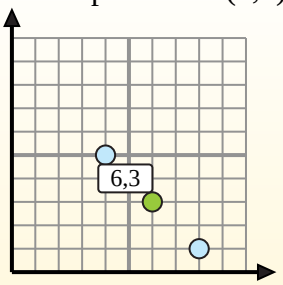
$$\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}$$



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) (1 , 7) & (2 , 2)

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

3) (5 , 8) & (0 , 4)

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

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

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

7) (1 , 0) & (4 , 5)

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

9) (4 , 4) & (1 , 7)

10) (5 , 7) & (1 , 1)

11) (0 , 6) & (9 , 4)

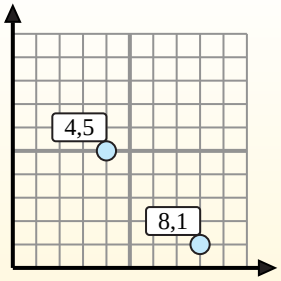
12) (6 , 7) & (6 , 5)

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.



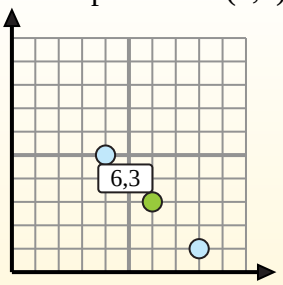
Midpoint Formula

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

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) (1 , 7) & (2 , 2) $\left(\frac{1+2}{2}, \frac{7+2}{2}\right)$ = (1.5 , 4.5)

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

3) (5 , 8) & (0 , 4) $\left(\frac{5+0}{2}, \frac{8+4}{2}\right)$ = (2.5 , 6)

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

5) (9 , 2) & (6 , 6) $\left(\frac{9+6}{2}, \frac{2+6}{2}\right)$ = (7.5 , 4)

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

7) (1 , 0) & (4 , 5) $\left(\frac{1+4}{2}, \frac{0+5}{2}\right)$ = (2.5 , 2.5)

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

9) (4 , 4) & (1 , 7) $\left(\frac{4+1}{2}, \frac{4+7}{2}\right)$ = (2.5 , 5.5)

10) (5 , 7) & (1 , 1) $\left(\frac{5+1}{2}, \frac{7+1}{2}\right)$ = (3 , 4)

11) (0 , 6) & (9 , 4) $\left(\frac{0+9}{2}, \frac{6+4}{2}\right)$ = (4.5 , 5)

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

Answers

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

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