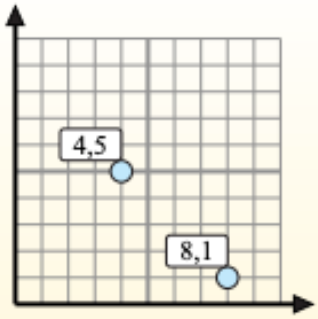
Name: Date:

Finding Midpoint Based on Coordinates

Find the midpoint of each set of coordinates.



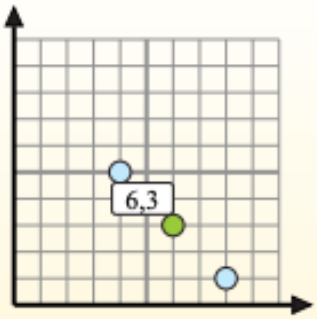
Midpoint Formula

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

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 , 9) & (5 , 2) 1. _____

2) (3 , 0) & (5 , 3) 2. _____

3) (6 , 6) & (6 , 8) 3. _____

4) (7 , 7) & (6 , 5) 4. _____

5) (6 , 10) & (8 , 0) 5. _____

6) (4 , 7) & (0 , 0) 6. _____

7) (9 , 4) & (10 , 1) 7. _____

8) (8 , 7) & (3 , 2) 8. _____

9) (7 , 5) & (2 , 4) 9. _____

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

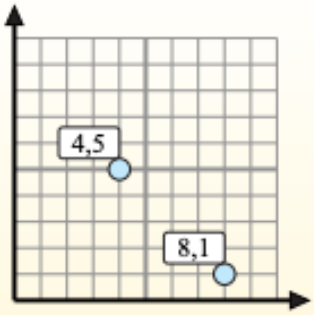
11) (7 , 1) & (7 , 0) 11. _____

12) (8 , 6) & (8 , 4) 12. _____

Finding Midpoint Based on Coordinates

Find the midpoint of each set of coordinates.

Answers



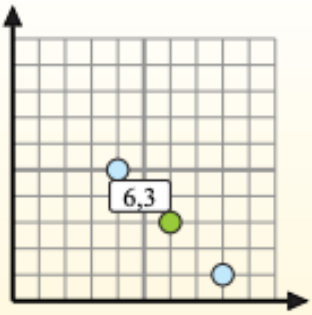
Midpoint Formula

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

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, 9) & (5, 2) $\left(\frac{0+5}{2}, \frac{9+2}{2}\right)$ = (2.5, 5.5) — 1. **(2.5, 5.5)**

2) (3, 0) & (5, 3) $\left(\frac{3+5}{2}, \frac{0+3}{2}\right)$ = (4, 1.5) — 2. **(4, 1.5)**

3) (6, 6) & (6, 8) $\left(\frac{6+6}{2}, \frac{6+8}{2}\right)$ = (6, 7) — 3. **(6, 7)**

4) (7, 7) & (6, 5) $\left(\frac{7+6}{2}, \frac{7+5}{2}\right)$ = (6.5, 6) — 4. **(6.5, 6)**

5) (6, 10) & (8, 0) $\left(\frac{6+8}{2}, \frac{10+0}{2}\right)$ = (7, 5) — 5. **(7, 5)**

6) (4, 7) & (0, 0) $\left(\frac{4+0}{2}, \frac{7+0}{2}\right)$ = (2, 3.5) — 6. **(2, 3.5)**

7) (9, 4) & (10, 1) $\left(\frac{9+10}{2}, \frac{4+1}{2}\right)$ = (9.5, 2.5) — 7. **(9.5, 2.5)**

8) (8, 7) & (3, 2) $\left(\frac{8+3}{2}, \frac{7+2}{2}\right)$ = (5.5, 4.5) — 8. **(5.5, 4.5)**

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

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

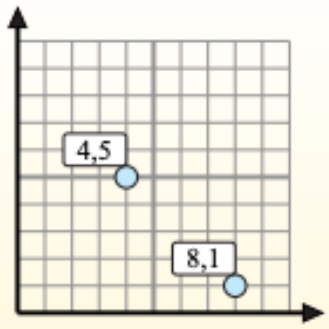
11) (7, 1) & (7, 0) $\left(\frac{7+7}{2}, \frac{1+0}{2}\right)$ = (7, 0.5) — 11. **(7, 0.5)**

12) (8, 6) & (8, 4) $\left(\frac{8+8}{2}, \frac{6+4}{2}\right)$ = (8, 5) — 12. **(8, 5)**

Name: Date:

Finding Midpoint Based on Coordinates

Find the midpoint of each set of coordinates.



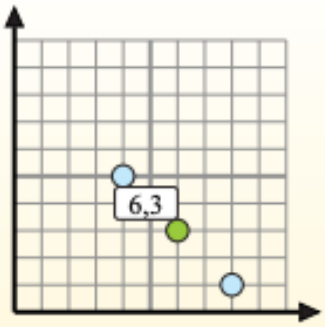
Midpoint Formula

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

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).

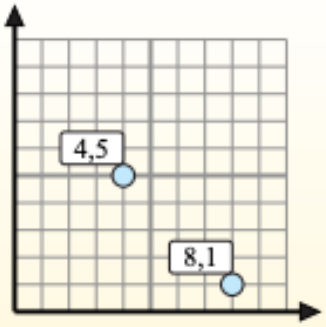


1)	(1 , 7) & (1 , 9)	1. _____
2)	(8 , 1) & (3 , 9)	2. _____
3)	(4 , 5) & (4 , 7)	3. _____
4)	(4 , 10) & (5 , 5)	4. _____
5)	(4 , 10) & (7 , 4)	5. _____
6)	(0 , 9) & (10 , 0)	6. _____
7)	(4 , 7) & (7 , 9)	7. _____
8)	(10 , 6) & (9 , 10)	8. _____
9)	(8 , 0) & (5 , 2)	9. _____
10)	(1 , 6) & (6 , 10)	10. _____
11)	(4 , 9) & (2 , 9)	11. _____
12)	(1 , 6) & (0 , 7)	12. _____

Finding Midpoint Based on Coordinates

Find the midpoint of each set of coordinates.

Answers



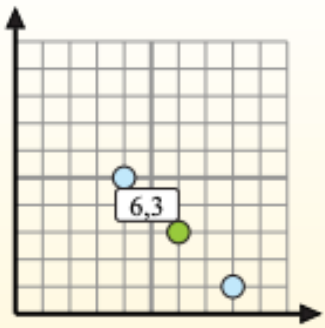
Midpoint Formula

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

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

2) (8, 1) & (3, 9) $\left(\frac{8+3}{2}, \frac{1+9}{2}\right)$ = (5.5, 5) 2. **(5.5 , 5)**

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

4) (4, 10) & (5, 5) $\left(\frac{4+5}{2}, \frac{10+5}{2}\right)$ = (4.5, 7.5) 4. **(4.5 , 7.5)**

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

6) (0, 9) & (10, 0) $\left(\frac{0+10}{2}, \frac{9+0}{2}\right)$ = (5, 4.5) 6. **(5 , 4.5)**

7) (4, 7) & (7, 9) $\left(\frac{4+7}{2}, \frac{7+9}{2}\right)$ = (5.5, 8) 7. **(5.5 , 8)**

8) (10, 6) & (9, 10) $\left(\frac{10+9}{2}, \frac{6+10}{2}\right)$ = (9.5, 8) 8. **(9.5 , 8)**

9) (8, 0) & (5, 2) $\left(\frac{8+5}{2}, \frac{0+2}{2}\right)$ = (6.5, 1) 9. **(6.5 , 1)**

10) (1, 6) & (6, 10) $\left(\frac{1+6}{2}, \frac{6+10}{2}\right)$ = (3.5, 8) 10. **(3.5 , 8)**

11) (4, 9) & (2, 9) $\left(\frac{4+2}{2}, \frac{9+9}{2}\right)$ = (3, 9) 11. **(3 , 9)**

12) (1, 6) & (0, 7) $\left(\frac{1+0}{2}, \frac{6+7}{2}\right)$ = (0.5, 6.5) 12. **(0.5 , 6.5)**