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## Midpoint Formula Notes

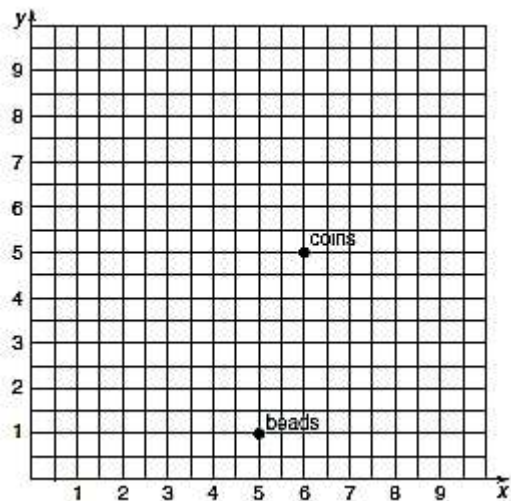
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The **Midpoint Formula** allows you to find the **midpoint** or **center** between two points.  $\left(\frac{x_1 + x_2}{2}, \frac{y_1 + y_2}{2}\right)$

1. Find the midpoint between (1, -2) and (-3, 6).

2. Find the midpoint between (6, 3) and (-6, 4).

3. How would you find the midpoint between the coins and beads?



Coins are located at \_\_\_\_\_

Beads are located at \_\_\_\_\_

Midpoint \_\_\_\_\_

4. **M is the midpoint** of segment AB. The coordinates of A are (-2, 3) and the coordinates of M are (1, 0). Find the coordinates of B.

5. **B is the midpoint** of segment AC. The coordinates of A are (-10, 4) and the coordinates of B are (-2, 4). Find the coordinates of C.