Lengths of Horizontal and Vertical Line Segments

To find the length of a horizontal line segment, find the difference between the x-coordinates. Subtract the smaller from the larger.

To find the length of a vertical line segment, find the difference between the y-coordinates. Subtract the smaller from the larger.

Length of \( AB \): \( 4 - 1 = 3 \) units
Length of \( CD \): \( 5 - 3 = 2 \) units

Graph each pair of points. Find the length of the segment that connects each pair of points.

1. \((1, 8)\) \((1, 4)\) __________
2. \((2, 3)\) \((5, 3)\) __________
3. \((5, 2)\) \((10, 2)\) __________
4. \((4, 4)\) \((4, 9)\) __________
5. \((0, 1)\) \((0, 7)\) __________
6. \((3, 0)\) \((9, 0)\) __________

Writing Math How can you find the distance between two points by counting?