

# STEAM Questions

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1. Six million African Americans took part in the Great Migrations (I & II) from the rural South to the urban Northeast from 1910 – 1970. What economic and social factors contributed to the greatest internal migration of United States citizens in our country's history?
2. In the foreground you will notice a board game. Typically persons playing a board game take turns. Players in many board games move their pieces on the diagonal. How is a diagonal defined in geometry?
3. Diagonals are often used in engineering building projects. How are diagonals applied to building strong structures? How does the use of diagonals in a building's engineering design safely redirect natural forces?
4. Clean drinking water is essential for human health. New York City is the largest city in the United States with a natural source of drinking water so pure it does not require purification. Describe the natural process that purifies New York City's drinking water.
5. The year this painting was completed New York City had the highest population density in the United States. What two pieces of mathematical data do you need to calculate population density? Share the process.

