

1. How much more water can the Killian Reservoir hold than the Lincoln Tank Tower?

2. How much less water can USI Tank Tower hold than the Darmstadt Tank Tower?

3. Which water tank holds the same amount of water as the USI Tank Tower and the Upper Mt. Vernon Tank Tower combined?

4. How much water can be stored in the Evansville area in total?

5. The Evansville Water Department treats 25 million gallons of water from the Ohio River a day for the residents to use. If all the treated water goes to the tank, are the tanks big enough to hold it all? Explain.

Answer Key

1. How much more water can the Killian Reservoir hold than the Lincoln Tank Tower?

Version I (large numbers): $4,000,000 - 500,000 = 3,500,000$ (gallons)

Version II (decimal numbers): $4 - 0.5 = 3.5$ (million gallons)

2. How much less water can USI Tank Tower hold than the Darmstadt Tank Tower?

Version I (large numbers): $1,000,000 - 500,000 = 500,000$ (gallons)

Version II (decimal numbers): $1 - 0.5 = 0.5$ (million gallons)

3. Which water tank holds the same amount of water as the USI Tank Tower and the Upper Mt. Vernon Tank Tower combined?

Darmstadt Tank Tower

4. How much water can be stored in the Evansville area in total?

Version I (large numbers): 28,500,000 (gallons)

Version II (decimal numbers): 28.5 (million gallons)

5. The Evansville Water Department treats 25 million gallons of water from the Ohio River a day for the residents to use. If all the treated water goes to the tank, are the tanks big enough to hold it all? Explain.

Yes. The tanks have 3.5 million gallons more capacity.