18. The above-ground swimming pool in Lien's backyard is shaped like a right circular cylinder with diameter 12 feet and height 4 feet. The pool is filled with water to a height of 3.5 feet. One person who is completely in the water will displace about 18 gallons of water. (Note: 1 cubic foot is approximately 7.48 gallons.)

Lien is inviting high school classmates to swim in the pool. Create a model to determine the greatest number of classmates who can be in the pool before the water overflows. Explain your reasoning.

Enter your model and your explanation in the space provided.

[↶] [↷] [⮌] [⊞] [[A]] [[π]]

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