Side Issue — conversion of units.

\[ 1 \text{ yd} = 3 \text{ ft} \]

\[ 1 \text{ yd}^3 = 1\text{yd} \cdot 1\text{yd} \cdot 1\text{yd} = 3\text{ft} \cdot 3\text{ft} \cdot 3\text{ft}. \]

\[ \therefore 1 \text{ yd}^3 = 27 \text{ ft}^3 \]

Back to the problem.

\[ V = \frac{648 \text{ ft}^3}{27 \text{ ft}^3/\text{yd}^3} = 24 \text{ yd}^3 \]

How many truck-loads?

4 truck-loads \((\frac{24}{6} = 4)\) truck-loads.

Total Cost: $40 for 4 truck-loads of earth.
Problem #1: Find Vol. in yd³.

\[ V = \frac{1}{3} Bh \]

\[ = \frac{1}{3} s^2 h = \frac{1}{3} \cdot 252^2 \cdot 160 \]

\[ = 3,386,880 \text{ yd}^3 \]

Problem #2

Each block is 1.5 yd³.

How many blocks?

\[ \text{Blocks} = \frac{3,386,880 \text{ yd}^3}{1.5} = 2,257,920 \]

There are 3,386,880 yd³ in the pyramid. This is 2,257,920 blocks.