



Build a Wall Construction Quantities

Some estimates for the wall Nehemiah built:

- Length = 2000 meters
- Height = 4 meters
- Thickness = 8 meters

Suppose they built it of granite which weighs 162 pounds per cubic foot.



1. Convert the measurements to feet

a. Length = _____

b. Height = _____

c. Thickness = _____

2. Now calculate the volume of material required to build this wall

a. Volume = _____ cubic feet = _____ cubic yards

3. If they built it of granite, what was the weight of the materials they required?

a. Pounds = _____

b. Tons = _____

c. At 52 days, how many tons per day _____

4. Large dump trucks carry 15 cubic yards of material. How many dump truck loads do you estimate it would take to move the amount of granite you have calculated?

a. Loads = _____



No matter how you figure it, that's a lot of stone in 52 days!