

## Calculating How much Dirt is Needed for a square area

- A. Determine square footage of area. This is length x width.
- B. Determine depth of needed soil in inches.
- C. Take the square footage and multiply by depth in decimal. For instance 6" is .5 in decimal. To figure out decimal take inches and divide by 12. For instance 7 inches divided by 12 is .58. This number is the cubic feet needed.
- D. Then divide this number by 27. This will tell you how many cubic yards of pulverized soil is needed.

Example:

- A raised garden bed of 8 x 8 is 64 s.f.. It is 18" high. (18 divided by 12 = 1.5)  
This is 1.5 in decimal.  
Multiply 64 x 1.5 = 96. This is the cubic feet needed.  
Divide by 27. (96 divided by 27 = 3.56)  
3.56 cubic yards of dirt is needed

## Calculating How much Dirt is Needed for a Circle

- A. Determine square footage of area. Area of a circle is the radius squared x pie which is 3.14. (18' pool is a 9' radius.  $9 \times 9 = 81 \times 3.14 = 254.34$  s.f.)
- B. Determine the depth in inches then convert to decimal. Depth in inches divided by 12. For instance 4" - 12 = .33
- C. Multiply square footage by depth to determine cubic feet. ( $254.34 \times .33 = 83.93$  cubic feet)
- D. Determine cubic yards needed. Cubic feet divided by 27 = cubic yards. For our example  $83.93$  divided by 27 = 3.11 cubic yards.