

# Rule of Thumb Figures

<b>Block</b>	2-1/4 bags mortar per 100 block (40 block per bag) 800 lb. of sand per 100 block 1.25 block per sq. ft. of wall area 75% of length of wall gives number of block per course take height of wall (in feet) times 1.5 for number of courses
<b>Stone</b>	700 lb. of sand and 3 to 4 bags of mortar per ton
<b>Brick</b>	Approx. 7 bags of mortar per 1000 brick (143 brick per bag) Approx. 1 ton sand per 1000 brick figure brick 7 per sq. ft. of wall area (allows for waste) 1-1/2 brick per running foot on wall 4.625 courses of brick per foot of wall height 5 brick per sq. ft. for paving, hearths (laid flat- solid brick) 1 tie to every square foot
<b>Manufactured Stone</b>	Scratch Coat- 1 bag mortar and 200 lbs sand per 100 sq. ft. Stick Stone- 1 bag mortar and 200 lbs sand per 100 sq. ft. Grout Stone- 1/2 bag mortar and 100 lbs sand per 100 sq. ft.
<b>Cement Plaster</b>	1/4" thick (100 sq. ft.) 220 lbs. sand, .8 bag mortar 3/8" thick (100 sq. ft.) 330 lbs. sand, 1.2 bag mortar 1/2" thick (100 sq. ft.) 440 lbs. sand, 1.6 bag mortar
<b>Concrete</b>	Cubic Feet = length in feet x width in feet x depth in inches divided by 12  Cubic Yards = cubic feet divided by 27
<b>Fire Clay</b>	2 parts fire clay, 3 parts cement
<b>Filling Block</b>	cores with concrete 12" block- 1.64 cu. yd. per 100 block (Approx.) 8" block- .93 cu. yd. per 100 block (Approx.)
<b>Mortar</b>	mix 1 part mortar to 2-1/4 to 3 parts sand
<b>Sand-Gravel</b>	Approx. 3000 lb. per cu. yd. (no. yards times 1.5 for tons) Approx. 110 lb. per cu. ft. (27 cu. ft. in cu. yd.)
<b>Wall Ties</b>	1 per every 10 brick (100 wall ties per 1,000 brick)