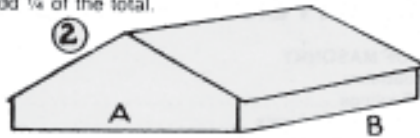


**HOW TO MEASURE FLAT SURFACES**

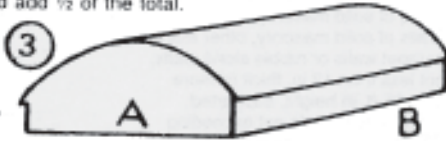
How to measure a Gable roof. See Figure 2. Multiply length (B) by width (A), and add 1/4 of the total.



**EXAMPLE:**

Length 100 feet,  
width 50 feet.  
 $100 \times 50 = 5000$ ;  $1/4$  of 5000 = 1250;  $5000 + 1250 = 6250$   
square feet or about 63 squares of roof surface.

How to measure an Arch roof. See Figure 3. Multiply length (B), by width (A), and add 1/2 of the total.



**EXAMPLE:**

Length 100 feet,  
width 50 feet.  
 $100 \times 50 = 5000$ ;  $1/2$  of 5000 = 2500;  $5000 + 2500 = 7500$   
square feet or 75 squares of roof surface.



**HOW TO MEASURE A TANK**

To compute the area of a tank multiply the height (B) by the diameter (A) and multiply that total by 3.

B

**EXAMPLE** Diameter, 20 feet.

Height, 50 feet.

$20 \times 50 = 1000$ .

$1000 \times 3 = 3000$  square feet or about 30 squares of surface.

A

Often we are asked to calculate the amount of paint required to cover a tank of given dimensions. We give below a simple system of figuring the number of square feet in the surface of a tank, from which you can easily calculate the number of gallons of paint required, by dividing the square feet of surface by the covering capacity.

- (1) To find the area of the top of a tank: Multiply the square of the diameter by .7854.
- (2) To find the circumference of the tank: multiply the diameter by 3.1416.
- (3) To find the area of the walls of the tank: Multiply the height by the circumference.

**Conversion Tables**

Water		Cement	
U.S. Gallons	Pounds	Bags	Pounds
1	8.35	0.25	23.5
2	16.69	0.50	47
3	25.04	0.75	70.5
4	33.38	1.00	94
5	41.73	1.25	117.5
6	50.07	1.50	141
7	58.42	1.75	164.5
8	66.76	2.00	188
9	75.11	2.25	211.5
10	83.45	2.50	235
11	91.80	2.75	258.5
12	100.14	3.00	282
13	108.49	3.25	305.5
14	116.83	3.50	329
15	125.18	3.75	352.5
16	133.52	4.00	376
17	141.87	4.25	399.5
18	150.21	4.50	423
19	158.56	4.75	446.5
20	166.90	5.00	470
21	175.25	5.25	493.5
22	183.59	5.50	517
23	191.94	5.75	540.5
24	200.28	6.00	564
25	208.63	6.25	587.5
26	216.97	6.50	611
27	225.32	6.75	634.5
28	233.66	7.00	658
29	242.01	7.25	681.5
30	250.35	7.50	705
31	258.70	7.75	728.5
32	267.04	8.00	752
33	275.39		
34	283.73		
35	292.08		
36	300.42		
37	308.77		
38	317.11		
39	325.46		
40	333.80		
41	342.15		
42	350.49		
43	358.84		
44	367.18		
45	375.53		

**Epoxy Mortar And Patching Coverage**

Mortar (Binder & Sand)	Coverage (Square Ft.)	Thickness (Inches)
1 gallon	25.7	1/16
1 gallon	12.8	1/8
1 gallon	8.6	3/16
1 gallon	6.4	1/4
1 gallon	4.3	3/8
1 gallon	3.2	1/2

Resinous Binder (gallons)	Silica Sand (gallons)	Mortar Approximate (gallons)
1	+1	1.6
1	+2	2.2
1	+3	2.8
1	+4	3.4
1	+5	4.0