Square feet from feet and inches

Worked areas for rooms measured in feet, inches and fractions, and sizes measured in inches, in square feet.

Rooms measured in feet, inches and fractions

Length	Width	Square inches	Square feet	Square yards	Square meters
12' 6"	10' 3"	18,450	128.13	14.24	11.903
12' 6-1/2"	10' 3-1/4"	18,549.13	128.81	14.31	11.967
11' 9"	13' 2"	22,278	154.71	17.19	14.373
9' 10-3/4"	7' 4-1/2"	10,509.38	72.98	8.11	6.78
15' 3-3/8"	11' 7-5/8"	25,603.73	177.8	19.76	16.519
20' 0"	14' 8"	42,240	293.33	32.59	27.252
7' 11-1/4"	5' 2-3/4"	5,976.94	41.51	4.61	3.856

Each side is turned into inches exactly (feet × 12 + inches + fraction), the two are multiplied, and the square inches are divided by 144 for square feet (2 places), by 1,296 for square yards (2 places) and multiplied by 0.00064516 for square meters (3 places).

Sizes measured in inches, in square feet

Size (inches)	Square inches	Square feet	Square meters
12 × 12	144	1	0.093
18 × 18	324	2.25	0.209
24 × 24	576	4	0.372
12 × 24	288	2	0.186
30 × 60	1,800	12.5	1.161
36 × 80	2,880	20	1.858
48 × 96	4,608	32	2.973

Square inches ÷ 144 = square feet, because a square foot is 12" × 12" = 144 square inches.