Stair Layout Worksheet

Answer Key

Name: ***Key***

With the numbers below, determine the riser height, number of risers, and number of treads. Please show all three calculations that helped you determine your final answer.

Total Rise	Riser Height	# of Risers	# of Treads
70 ½" *70 ½ ÷7 = 10.07* *70 ½ ÷9 = 7.83* *70 ½ ÷ 10 = 7.05** *70 ½ ÷ 11 = 6.41*	*7.05"*	*10*	*9* *(10 - 1)*
103 ¾" *103 ¾ ÷ 7 = 14.8* *103 ¾ ÷ 13 = 7.98* *103 ¾ ÷ 14 = 7.41** *103 ¾ ÷ 15 = 6.92*	*7.41"*	*14*	*13*
9' *(78')* *78 ÷ 7 = 11.14* *78 ÷ 10 = 7.8* *78 ÷ 11 = 7.09** *78 ÷ 12 = 6.5*	*7.09"*	*11*	*10*
32" *32 ÷ 7 = 4.57* *32 ÷ 4 =8* *32 ÷ 5 = 6.4** *32 ÷ 6 = 5.3*	*6.4"*	*5*	*4*
67 ¼" *67.25 ÷ 7 = 9.06* *67.25 ÷ 8 = 8.41* *67.25 ÷ 9 = 7.47** *67.25 ÷ 10 = 6.73*	*7.47"*	*9*	*10*
78 ½" *78½ ÷ 7 = 11.21* *78½ ÷ 10 = 7.85* *78½ ÷ 11 = 7.14** *78½ ÷ 12 = 6.54*	*6.54"*	*12*	*11*
97 5/8" *97.625 ÷ 7 = 13.95* *97.625 ÷ 13 = 7.51* *97.625 ÷ 14 = 6.97** *97.625 ÷ 15 = 6.51*	*6.97"*	*14*	*13*

86” *86 ÷ 7 = 12.29* *86 ÷ 11 = 7.82* *86 ÷ 12 = 7.17** *86 ÷ 13 = 6.62*	*7.17”*	*12*	*11*
60 ½” *6 ½ ÷ 7 = 8.64* *60 ½ ÷ 7 = 7.82* *60 ½ ÷ 8 = 7.56** *60 ½ ÷ 9 = 6.72*	*7.56”*	*8*	*7*
23 ¾” *23 ¾ ÷ 7 = 3.39* *23 ¾ ÷ 2 = 11.68* *23 ¾ ÷ 3 = 7.78* *23 ¾ ÷ 4 = 5.84**	*5.84”*	*4*	*3*