



Diagonal Measurements of Finished Blocks

To determine the size of a quilt with blocks set on-point, multiply the number of blocks times the Diagonal Length. Diagonal lengths are listed below. To learn how to do the calculations yourself, visit:

<http://www.generations-quilt-patterns.com/magic-number.html>

Finished Block Size	Diagonal Length	Rounded Up to Nearest 1/8"	
		Decimal	Fraction
1 1/2"	2.121"	2.125"	2 1/8"
2"	2.828"	2.875"	2 7/8"
2 1/2"	3.535"	3.625"	3 5/8"
3"	4.242"	4.250"	4 1/4"
3 1/2"	4.949"	5.000"	5"
4"	5.656"	5.750"	5 3/4"
4 1/2"	6.363"	6.375"	6 3/8"
5"	7.070"	7.125"	7 1/8"
5 1/2"	7.777"	7.875"	7 7/8"
6"	8.484"	8.500"	8 1/2"
6 1/2"	9.191"	9.250"	9 1/4"
7"	9.898"	10.000"	10"
7 1/2"	10.605"	10.625"	10 5/8"
8"	11.312"	11.375"	11 3/8"
8 1/2"	12.019"	12.125"	12 1/8"
9"	12.726"	12.750"	12 3/4"
9 1/2"	13.433"	13.500"	13 1/2"
10"	14.140"	14.250"	14 1/4"
10 1/2"	14.847"	14.875"	14 7/8"
11"	15.554"	15.625"	15 5/8"
11 1/2"	16.261"	16.375"	16 3/8"
12"	16.968"	17.000"	17"
12 1/2"	17.675"	17.750"	17 3/4"
13"	18.382"	18.500"	18 1/2"
13 1/2"	19.089"	19.125"	19 1/8"
14"	19.796"	19.875"	19 7/8"
14 1/2"	20.503"	20.500"	20 1/2"
15"	21.210"	21.250"	21 1/4"
15 1/2"	21.917"	22.000"	22"
16"	22.624"	22.625"	22 5/8"
16 1/2"	23.331"	23.375"	23 3/8"
17"	24.038"	24.125"	24 1/8"
17 1/2"	24.745"	24.750"	24 3/4"
18"	25.452"	25.500"	25 1/2"
18 1/2"	26.159"	26.250"	26 1/4"
19"	26.866"	26.875"	26 7/8"
19 1/2"	27.573"	27.625"	27 5/8"
20"	28.280"	28.375"	28 3/8"