

## Quilt Math: Enlarging and Reducing Block Size

Use this chart to enlarge or reduce your quilt block to a new size.

Original Block Size	New Block Size (In Inches - Not including Seam Allowances)										
	2"	3"	4"	5"	6"	7"	8"	9"	10"	11"	12"
2"	100	150	200	250	300	350	400	450	500	550	600
3"	67	100	133	167	200	233	267	300	333	367	400
4"	50	75	100	125	150	175	200	225	250	275	300
5"	40	60	80	100	120	140	160	180	200	220	240
6"	33	50	67	83	100	117	133	150	167	183	200
7"	29	43	57	71	86	100	114	129	143	157	171
8"	25	38	50	63	75	88	100	113	125	138	150
9"	22	33	44	56	67	78	89	100	111	122	133
10"	20	30	40	50	60	70	80	90	100	110	120
11"	18	27	36	45	55	64	73	82	91	100	109
12"	17	25	33	42	50	58	67	75	83	92	100

### How to Use This Chart

1. **Start with your original block size** in the right column.
2. **Choose the new size** you want your block to be.
3. **Where the row and column meet** is the percentage you will need to enlarge, or reduce your original block to create it in the new size.

### Examples:

1. Original Block Size is 4 Inches - New Block Size is 10 Inches = Enlarge the block by 250%
2. Original Block Size is 6 Inches - New Block Size is 3 Inches = Reduce Block Size by 50%