

## Quilt Math: Wide Backing Fabric Yardage

### *An Eye-Opening Comparison:*

**A 3-yard cut** of 108-inch-wide fabric contains approximately:  $108" \times 108" = 11,664$  square inches of fabric

**To get the same amount of coverage** from standard 42-inch-wide quilting cotton, you'd need approximately:  $11,664 \div 42 = 278$  inches (7.7 yards)

**In other words:** 3 yards of 108-inch-wide fabric provides about the same total fabric area as nearly 8 yards of standard-width quilting fabric.

**That's why the price tag can be misleading.** While the per-yard cost is higher, you're purchasing far more usable fabric with each yard.

**Use the chart below** to determine the yardage needed, based on the size of quilts you are making:

Quilt Size	Backing Needed (Long Arm Quilting)	Yardage 40-42" Wide	Yardage 108" Wide
Baby Quilt (40" x 50")	48" x 58"	2-1/2 yards (1 Quilt)	1-1/2 yards (2 Quilts)
Crib Quilt (45" x 60")	53" x 68"	3-1/4 yards	2 yards (2 Quilts)
Throw Quilt (60" x 72")	68" x 80"	5 yards	2 yards
Lap Quilt (54" x 66")	62" x 74"	5 yards	2 yards
Wheelchair Quilt (36" x 48")	48" x 56"	2-1/2 yards	1-5/8 yards
Charity Quilt (40" x 60")	48" x 68"	3-1/4 yards	2 yards
Twin (69" x 96")	77" x 104"	5-7/8 yards	3 yards
Full (86" x 105")	94" x 113"	7-7/8 yards	3-1/4 yards
Queen (90" x 105")	98" x 113"	8-1/4 yards	3-1/4 yards
King (100" x 115")	108" x 123"	10-1/4 yards	3-1/2 yards