

# Resizing Blocks: Helpful Formulas

**Block Proportion** (use for changing the size of applique)

$$\text{New size} \div \text{Original size} \times 100 = \text{Proportion (\%)}$$

**New Patch Dimensions** (add  $\frac{1}{4}$ " to all sides; add 1" to patch when appliqueing and then trim after applique)

Squares and rectangles

$$\text{Finished size} + \frac{1}{2}"$$

Half-square triangles (HST)

$$\text{Finished size} + \frac{7}{8}"$$

Quarter-square triangles (QST)

$$\text{Finished size} + 1\frac{1}{4}"$$

## Fraction to Decimal Conversion

$$\frac{1}{8} = .125$$

$$\frac{1}{4} = .25$$

$$\frac{1}{3} = .33$$

$$\frac{3}{8} = .375$$

$$\frac{1}{2} = .5$$

$$\frac{5}{8} = .625$$

$$\frac{2}{3} = .67$$

$$\frac{3}{4} = .75$$

$$\frac{7}{8} = .875$$

# Resizing Blocks Worksheet

Block: *Daisez* by Dodi Lee Paulsen, Pattern in *Quiltmaker's 100 Blocks*, Vol. 1

Grid: 4x4

Original Block Size: 12" x 12"

New Block Size: 8" x 8"

Proportion: 67%

Patch	Finished Size	Cut Size
A	6" x 6"	7½" x 7½"; trim to 6½" x 6½" after apl.
B	applique	
C	applique	
D	QST 6" x 3"	7¼" x 7¼"; cut in half twice diagonally
E	HST 3"	3⅞" x 3⅞"; cut in half diagonally
F	3" x 3"	3⅞" x 3⅞"

Patch	Finished Size	Cut Size
A	4" x 4"	5½" x 5½"; trim to 4½" x 4½" after apl.
B	applique	67%
C	applique	67%
D	QST 4" x 2"	5¼" x 5¼"; cut in half twice diagonally
E	HST 2"	2⅞" x 2⅞"; cut in half diagonally
F	2" x 2"	2⅞" x 2⅞"

# Resizing Blocks Worksheet

Block: *Daisez* by Dodi Lee Paulsen, Pattern in *Quiltmaker's 100 Blocks*, Vol. 1

Grid: 4x4

Original Block Size: 12"

New Block Size: 36" x 36"

Proportion: 300%

Patch	Finished Size	Cut Size
A	6" x 6"	7½" x 7½"; trim to 6½" x 6½" after apl.
B	applique	
C	applique	
D	QST 6" x 3"	7¼" x 7¼"; cut in half twice diagonally
E	HST 3"	3⅞" x 3⅞"; cut in half diagonally
F	3" x 3"	3⅞" x 3⅞"

Patch	Finished Size	Cut Size
A	18" x 18"	19½" x 19½"; trim to 18½" x 18½" after apl.
B	applique	300%
C	applique	300%
D	QST 18" x 9"	19¼" x 19¼"; cut in half twice diagonally
E	HST 9"	9⅞" x 9⅞"; cut in half diagonally
F	9" x 9"	9⅞" x 9⅞"

# Resizing Blocks Worksheet

Block: *Jungle Boogie* by June Dudley, Pattern in *Quiltmaker's 100 Blocks, Vol. 1*

Grid: 6x6

Original Block Size: 12" x 12"

New Block Size: 9" x 9"

Proportion: 75%

Patch	Finished Size	Cut Size
A	4" x 4"	4 <sup>7</sup> / <sub>8</sub> " x 4 <sup>7</sup> / <sub>8</sub> "
B	6" x 6"	6 <sup>7</sup> / <sub>8</sub> " x 6 <sup>7</sup> / <sub>8</sub> "
C	2" x 4"	2 <sup>1</sup> / <sub>2</sub> " x 4 <sup>1</sup> / <sub>2</sub> "
D	4" x 6"	4 <sup>1</sup> / <sub>2</sub> " x 6 <sup>1</sup> / <sub>2</sub> "
E	2" x 6"	2 <sup>1</sup> / <sub>2</sub> " x 6 <sup>1</sup> / <sub>2</sub> "
F	2" x 12"	2 <sup>1</sup> / <sub>2</sub> " x 12 <sup>1</sup> / <sub>2</sub> "
G		
H		
I		
J		
K		
L		
M		

Patch	Finished Size	Cut Size
A	3" x 3"	3 <sup>7</sup> / <sub>8</sub> " x 3 <sup>7</sup> / <sub>8</sub> "
B	4 <sup>1</sup> / <sub>2</sub> " x 4 <sup>1</sup> / <sub>2</sub> "	5 <sup>3</sup> / <sub>8</sub> " x 5 <sup>3</sup> / <sub>8</sub> "
C	1 <sup>1</sup> / <sub>2</sub> " x 3"	2" x 3 <sup>1</sup> / <sub>2</sub> "
D	3" x 4 <sup>1</sup> / <sub>2</sub> "	3 <sup>1</sup> / <sub>2</sub> " x 5"
E	1 <sup>1</sup> / <sub>2</sub> " x 4 <sup>1</sup> / <sub>2</sub> "	2" x 5"
F	1 <sup>1</sup> / <sub>2</sub> " x 9"	2" x 9 <sup>1</sup> / <sub>2</sub> "
G		
H		
I		
J		
K		
L		
M		

# Resizing Blocks Worksheet

Block: *Little Boxes* by Brenda Groelz, Pattern in *Quiltmaker's 100 Blocks, Vol. 1*

Grid: 6x6

Original Block Size: 12" x 12"

New Block Size: 6" x 6"

Proportion: 50%

Patch	Finished Size	Cut Size
A	2" x 2"	2 $\frac{7}{8}$ " x 2 $\frac{7}{8}$ "
B	2" x 2"	2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "
C	4" x 4"	4 $\frac{1}{2}$ " x 4 $\frac{1}{2}$ "
D	6" x 6"	6 $\frac{1}{2}$ " x 6 $\frac{1}{2}$ "
E		
F		
G		
H		
I		
J		
K		
L		
M		

Patch	Finished Size	Cut Size
A	1" x 1"	1 $\frac{7}{8}$ " x 1 $\frac{7}{8}$ "
B	1" x 1"	1 $\frac{1}{2}$ " x 1 $\frac{1}{2}$ "
C	2" x 2"	2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ "
D	3" x 3"	3 $\frac{1}{2}$ " x 3 $\frac{1}{2}$ "
E		
F		
G		
H		
I		
J		
K		
L		
M		

# Resizing Blocks Worksheet

Block: \_\_\_\_\_

Grid: \_\_\_\_\_

Original Block Size: \_\_\_\_\_

New Block Size: \_\_\_\_\_

Proportion: \_\_\_\_\_ %

Patch	Finished Size	Cut Size
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		

Patch	Finished Size	Cut Size
A		
B		
C		
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		

# Resizing Blocks Worksheet

Block: *Summer Garden* by Karla Eisenach, Pattern in *Quiltmaker's 100 Blocks, Vol. 1*

Grid: 2x2

Original Block Size: 12" x 12"

New Block Size: 9" x 9"

Proportion: 75%

Patch	Finished Size	Cut Size
A	6" x 6"	6½" x 6½"
B	applique	
C	applique	
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		

Patch	Finished Size	Cut Size
A	4½" x 4½"	5" x 5"
B	applique	75%
C	applique	75%
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		

# Resizing Blocks Worksheet

Block: *Summer Garden* by Karla Eisenach, Pattern in *Quiltmaker's 100 Blocks, Vol. 1*

Grid: 2x2

Original Block Size: 12"

New Block Size: 16"

Proportion: 133%

Patch	Finished Size	Cut Size
A	6" x 6"	6½" x 6½"
B	applique	
C	applique	
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		

Patch	Finished Size	Cut Size
A	8" x 8"	8½" x 8½"
B	applique	133%
C	applique	133%
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		



# Resizing Blocks Worksheet

Block: *Ups & Downs* by Camille Roskelley, Pattern in *Quiltmaker's 100 Blocks, Vol. 1*

Grid: 4x4

Original Block Size: 12" x 12"

New Block Size: 8" x 8"

Proportion: 67%

Patch	Finished Size	Cut Size
A	3" x 3"	3 $\frac{7}{8}$ " x 3 $\frac{7}{8}$ "
B		
C		
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		

Patch	Finished Size	Cut Size
A	2" x 2"	2 $\frac{7}{8}$ " x 2 $\frac{7}{8}$ "
B		
C		
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		

# Resizing Blocks Worksheet

Block: *Ups & Downs* by Camille Roskelley, Pattern in *Quiltmaker's 100 Blocks, Vol. 1*

Grid: 4x4

Original Block Size: 12"

New Block Size: 15"

Proportion: 125%

Patch	Finished Size	Cut Size
A	3" x 3"	3 <sup>7</sup> / <sub>8</sub> " x 3 <sup>7</sup> / <sub>8</sub> "
B		
C		
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		

Patch	Finished Size	Cut Size
A	3 <sup>3</sup> / <sub>4</sub> " x 3 <sup>3</sup> / <sub>4</sub> "	4 <sup>5</sup> / <sub>8</sub> " x 4 <sup>5</sup> / <sub>8</sub> "
B		
C		
D		
E		
F		
G		
H		
I		
J		
K		
L		
M		