

Challenge

Fraction Quilt

Kendra bought a quilt kit. In the kit were red, blue, and white cloth squares and the instructions below.

- You must use all 16 of the cloth squares.
- You may not cut the squares.
- $\frac{1}{2}$ of the quilt is red.
- The fraction of the quilt that is blue is the same as the fraction that is white.
- No square can share a side with a square that is the same color.

1. How many squares of each color were in the quilt kit?

2. **Use a Math Drawing** Draw and color Kendra's quilt.

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1. How many squares of each color were in the quilt kit?

8 red, 4 white, 4 blue

2. **Use a Math Drawing** Draw and color Kendra's quilt.

Answers will vary. Sample answer:

R = red W = white B = blue

R	B	R	W
W	R	B	R
R	B	R	W
W	R	B	R