Paper Quilt Square

2nd Grade Math Project · Art & Design

Grade 2 · Remedial

Name: _____ Date: _____ Class: _____

The Challenge

Our class is making a paper quilt! Each student designs one square with shapes, rows of squares and equal shares.

You will make: Paper Quilt Square

I can…

- I can name and draw shapes by their sides and angles.
- I can partition a rectangle into rows and columns of squares and count them.
- I can make halves, thirds and fourths.

Materials

- Square paper
- Ruler
- Crayons
- Dot paper

Steps

1. Part 1: Shape Patches
2. Part 2: Quilt Grid
3. Part 3: Equal Shares
4. Part 4: My Quilt Square
5. Check your work and share your paper quilt square.

Look for the yellow Hint boxes. They show a first step.

Part 1: Shape Patches

Draw each shape on dot paper.

1. Draw a shape with 5 sides. What is it called?

Hint: Count the sides as you draw.

2. How many angles does a hexagon have?

Hint: Angles = sides.

3. Draw a quadrilateral that is not a square or a rectangle.

Hint: 4 sides, any lengths.

Part 2: Quilt Grid

Partition your quilt rectangle into 2 rows and 3 columns of same-size squares.

4. How many squares are there?

Hint: Add 3 for each row.

5. Write a repeated-addition equation.

Hint: One addend for each row.

Part 3: Equal Shares

Color some squares in halves, thirds and fourths.

6. Cut one square into 4 equal shares. What is each share called?

Hint: 4 equal shares are fourths.

7. How many thirds make a whole?

Hint: A whole is three thirds.

8. Which is bigger: one half or one fourth of the same square?

Hint: Fewer shares means bigger shares.

Part 4: My Quilt Square

Finish your quilt square with at least two shapes and one square cut into equal shares.

9. Label each shape and each share.

Hint: Frame: “This is a __. It has __ sides.”

Extension Challenge

The class quilt has 4 rows of 5 quilt squares. How many squares in all?

How your project will be scored

Learning target	4 Exceeds	3 Meets	2 Approaching	1 Beginning
I can name and draw shapes by their sides and angles.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can partition a rectangle into rows and columns of squares and count them.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can make halves, thirds and fourths.	Correct and complete; explains how	Mostly correct	Partly correct	Not yet
I can explain my thinking with pictures, numbers and words.	Clear for every part	Clear for most parts	Some explanation	Little explanation
My paper quilt square is complete and matches my math.	Complete, neat, accurate	Complete	Partly complete	Not complete