

# Class Quilt

*Combine art and mathematics by having each student create a quilt square that contains a common mathematical expression and the student's artistic interpretation of the phrase.*

**4-6**

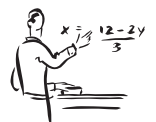
GRADE LEVEL



ARTS



LANGUAGE



MATH

Misc

MISCELLANEOUS



SCIENCE



HISTORY



SOCIAL STUDIES

## Objectives

- Explore new and familiar usages for the languages of mathematics.
- Stimulate growth in figurative language and oral language development, as students interview adults to learn the meaning of each phrase.

## Materials

- 9" x 9" sheets of paper
- Rulers
- Squares of muslin fabric
- Fabric markers
- Needles and thread
- List of phrases that incorporate numbers and mathematics in general, such as: It takes two to tango, Two's company; three's a crowd, A penny for your thoughts, etc. The Math Teacher's Book of Lists by Mushla & Mushla is an excellent source of such phrases.

## Procedure

1. Pass a list of phrases around the classroom and have students sign their name next to the phrase for which they would like to design a quilt square.
2. Have students design a rough draft of their square on a 9" x 9" sheet of paper.

3. Be sure that students use rulers to measure a border in the range of 1/2" - 1".
4. Instruct the students to decorate the border with any pattern that they choose.
5. Inside the square, have the students print their phrase and their first and last name.
6. In order to stimulate the imaginations of the students, remind them that a picture is worth a thousand words.
7. Once the rough draft is completed, distribute a square of muslin fabric to each student. Each student should duplicate his or her design on the fabric.
8. Upon completion of the squares, they can be sewn together to create a quilt.
9. Invite parents to attend a special quilt showing at the completion of the project.



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