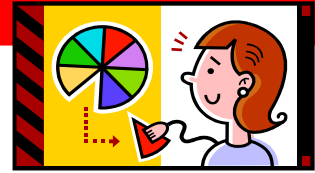


Fourth Grade Math Expectations



I can...

Number and Operation

1. write the multiplication and division fact families for a set of numbers (i.e. 6, 7, 42 $6 \times 7 = 42$ $7 \times 6 = 42$ $42 \div 7 = 6$ $42 \div 6 = 7$).
2. model one method to solve multiplication problems (ie. partial products, lattice, standard/traditional).
3. use multiplication and division facts fluently and accurately to solve problems.
4. model equivalent forms of common fractions (ex. $1/10$, $1/4$, $1/2$).
- 5a. model and explain how to change hundredths to fractions and decimals.
- 5b. use a calculator to rename any fraction as a decimal.
6. accurately add and subtract numbers using dollars and cents notation.

Algebra

- 1a. list the multiples of a number.
- 1b. model a geometric pattern and extend it.
2. name a rule that makes a pattern.

Data

- 1a. collect and organize data.
- 1b. draw and label a bar graph showing data from a chart.
2. identify the minimum and maximum numbers of a bar graph, tally chart, or a set of numbers.

Geometry

1. model and identify shapes with lines of symmetry.
2. show and describe translations of shapes (slides).
3. show and describe rotations of shapes (turns).
4. use a transparent mirror to draw the reflection (flip) of a figure.

Measurement

- 1a. use a standard ruler/tape measure to draw/measure objects to the nearest $1/4$ inch.
- 1b. use a metric ruler/meter tape to draw/measure objects to the nearest 0.5 cm.
- 2a. use square units to show the area of a shape.
- 2b. use cubes to show the volume of a 3-dimensional figure.

Problem Solving

1. a. use what I know about math to make sense of and solve a variety of problems
b. stick with a problem until I have a solution.
2. a. explain how I solved a problem verbally and in writing.
b. check to see if my work is reasonable and complete.

