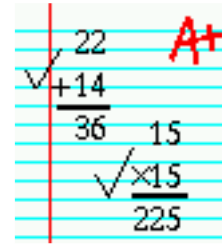




# POWER STANDARDS

## 4<sup>th</sup> Grade Mathematics

By the end of the year each student will...



### Number Sense & Operations

- recognize and write numbers from 0 to 100,000.
- know number in ones, tens, hundreds, thousands, and ten thousands columns up to 99,999.
- use expanded notation up to 99,999 ( $90,000 + 9000 + 900 + 90 + 9$ ).
- compare 100 more/less, 1,000 more/less, up to 10,000.
- order and compare whole numbers and decimals to tenths on a number line.
- know multiplication facts up to twelves.
- multiply 2 digits by 2 digits up to 30.
- use a variety of strategies to solve story problems.
- divide 2 digit by 1 digit, including remainders.
- name, write and compare fractions: halves, thirds, fourths, fifths, sixths, eighths, and tenths.
- relate fractions to decimals.

### Key

- 0 - Not taught**
- 1 - Not on target for mastery**
- 2 - On target for mastery**
- 3 - Near mastery**
- 4 - Mastery**

### Patterns

- solve equivalent equations ( $6 \times 2 = \square \times 3$  or  $6 \times \square = 9 + 9$ ).
- demonstrate the distribution of multiplication over addition using a rectangular array ( $8 \times 14 = 8$  rows of 10, 8 rows of 4).
- solve equations involving 2 operations ( $4 \times 3 + 2 = \square$ ).

### Geometry

- identify, draw, compare, and describe: parallel lines, intersecting lines, quadrilaterals including rectangles, and trapezoids.
- understand and determine congruency, similarity, and lines of symmetry on polygons.
- identify slide (translation), flip (reflection), and turn (rotate) using manipulatives.

### Measurement

- recognize, estimate, and measure in both metric & customary units of length, volume, and weight.
- read time to the nearest minute identifying AM and PM on a face clock.
- add and subtract money to \$20.00 or less.
- find perimeter and area of rectangles.

### Data Organization

- collect, read, represent, and interpret data from tables, graphs, charts, surveys, and observations.