

CARTERVILLE SCHOOL DISTRICT
MATHEMATICS CURRICULUM
GRADE 4
Revised 2006

FIRST NINE WEEKS

- 1. Analyzes word problems to determine if there is enough information to solve the problem, if there is excessive information in the problem. Select and apply the operations necessary to solve the problem (including two-step problems). Note: Skill will be taught throughout the year.
- 2. Reads and writes numbers from 1- 999,999 in expanded, standard, and word form, converting from one form to another.
- 3. Identifies place value of any given digit in numbers 0 – 999,999.
- 4. Rounds numbers to the nearest ten, hundred, thousand, and ten thousand.
- 5. Orders numbers 0 – 999,999 by greatest to least, least to greatest, before, after, greater than, less than, between, and equal.
- 6. Demonstrates understanding of the properties of addition (zero, order, and grouping properties).
- 7. Adds all combinations of 1, 2, 3, 4 and 5 digit numbers, regrouping when necessary.
- 8. Rewrites horizontal addition problems in correct vertical alignment.
- 9. Estimates addition problems of up to 5 digits.
- 10. Demonstrates recognition of addition and subtraction as inverse operations.
- 11. Subtracts all combinations of 1, 2, 3, 4 and 5 digit numbers, trading when necessary.
- 12. Subtracts all combinations of 1, 2, 3, 4 and 5 digit numbers across 0's if necessary.

- 13. Rewrites horizontal subtraction problems in correct vertical alignment.
- 14. Estimates subtraction problems up to 5 digits.

SECOND NINE WEEKS

- 15. Determines and writes dates using a calendar in word and numerical form.
- 16. Tells time to the minute before and after the hour.
- 17. Identifies and counts amounts of money in pennies, nickels, dimes, quarters, and small bills.
- 18. Adds and subtracts money with sums less than \$100.00.
- 19. Determines correct change from amounts up to \$10.00.
- 20. Knows the multiplication facts of 0 –9.
- 21. Demonstrates understanding of the properties of multiplication (order, property, property of 1, property of 0, and grouping property).
- 22. Knows division facts of 2 – 9.
- 23. Understands the division properties of 0 and 1.
- 24. Demonstrates understanding of the inverse relationship between multiplication and division by using related multiplication facts to solve division facts.
- 25. Divides a two-digit number by one digit number with remainders.

THIRD NINE WEEKS

- 26. Measures length to the nearest quarter-inch in standard measurement and to the nearest centimeter in metric measurement.
- 27. Chooses correct standard or metric unit used to measure volume, weight, temperature, or distance.
- 28. Solves problems involving perimeter.
- 29. Multiplies a 2, 3, or a 4-digit number by a 1-digit number.
- 30. Estimates a product.
- 31. Multiplies money.
- 32. Finds common multiples of two numbers.
- 33. Divides a number (up to 3 digits) using a 1-digit divisor.
- 34. Divides money (up to 3 digits).
- 35. Uses estimation to check answers.
- 36. Finds simple averages.
- 37. Determines the common factors of two numbers.

FOURTH NINE WEEKS

- 38. Writes a fraction for part of a region or a set.
- 39. Writes an equivalent fraction for a given fraction.
- 40. Compares fractions with different denominators using $<$, $>$, or $=$.
- 41. Writes fractions in lowest terms.
- 42. Writes a fraction as a mixed number and a mixed number as a fraction.
- 43. Finds a fractional part of a number.

- 44. Identifies and labels points, segments, parallel and perpendicular lines, rays, and angles.
- 45. Identifies and classifies polygons as rectangles, squares, parallelograms, triangles, pentagons, and hexagons.
- 46. Identifies and locates ordered pairs on a grid.
- 47. Identifies congruent figures, similar figures, and shapes with symmetry.
- 48. Finds the area of a rectangle by multiplying.
- 49. Multiplies a 2 or 3 digit number by a 2-digit number.
- 50. Multiplies money.
- 51. Identifies rectangular prisms, cubes, pyramids, cylinders, cones, and spheres.
- 52. Identifies radius and/or diameter of circles.
- 53. Identifies, interprets, and constructs line, bar, and circle graphs.