

CARTERVILLE SCHOOL DISTRICT
MATHEMATICS CURRICULUM
GRADE 6
Revised 2006

FIRST NINE WEEKS

- 1. Reads and compares numbers from graphs.
- 2. Identifies misleading relationships in graphs.
- 3. Reads and interprets scatter plots.
- 4. Uses tallies, frequency charts, and line plots.
- 5. Creates bar graphs.
- 6. Organizes data using stem and leaf plots.
- 7. Calculates mode and median.
- 8. Calculates mean.
- 9. Analyzes data with outliers.
- 10. Understands place value, standard and word form.
- 11. Demonstrates rounding numbers through the trillionth place value.
- 12. Compares and orders large numbers.
- 13. Uses and understands exponents.
- 14. Simplifies problems using patterns and distributive property.
- 15. Uses front-end estimation.
- 16. Estimates products.
- 17. Uses order of operations rules to solve arithmetic problems.
- 18. Understands variables and constants

- 19. Translates phrases into expressions.
- 20. Understands equations.
- 21. Finds values of variables.

SECOND NINE WEEKS

- 22. Draws and translates decimal models.
- 23. Compares and orders decimals.
- 24. Estimates sums, differences, products, quotients, with decimals.
- 25. Adds and subtracts decimals.
- 26. Solves equations using decimals.
- 27. Multiplies whole numbers and decimals.
- 28. Multiplies decimals by decimals.
- 29. Divides a decimal by a whole number.
- 30. Divides a decimal by a decimal.
- 31. Solves equations using decimals.
- 32. Finds perimeter.
- 33. Finds area of squares and rectangles.
- 34. Finds area of parallelogram.
- 35. Finds area of triangles.

THIRD NINE WEEKS

- 36. Applies rules of divisibility.
- 37. Distinguishes between prime and composite numbers. Find the prime factorization of a number.
- 38. Finds the least common multiple of two or more numbers.
- 39. Identifies fractional parts. Finds equivalent fractions.
- 40. Reduces fractions to lowest terms.
- 41. Converts improper fractions and mixed numbers.
- 42. Converts fractions to decimals.
- 43. Compares and orders fractions.
- 44. Adds and subtracts fractions with same denominator.
- 45. Adds and subtracts fractions with different denominators.
- 46. Solves equations with fractions.
- 47. Estimates sums and differences of mixed numbers.
- 48. Adds mixed numbers.
- 49. Subtracts mixed numbers.
- 50. Estimates products and quotients of fraction problems.
- 51. Multiplies whole numbers by fractions.
- 52. Multiplies a fraction by another fraction.
- 53. Divides a whole number by a fraction.
- 54. Divides a fraction by a fraction or a whole number.
- 55. Solves multiplication and division equations containing fractions.

FOURTH NINE WEEKS

- 56. Expresses two quantities as a ratio.
- 57. Finds ratios equal to a given ratio.
- 58. Expresses two quantities with different units as a ratio.
- 59. Understands what a proportion is and tests for one.
- 60. Solves proportions using cross products.
- 61. Solves proportions using unit rates.
- 62. Uses proportions to find lengths in similar figures.
- 63. Expresses a quantity as a percent.
- 64. Estimates percents.
- 65. Expresses percents as fractions and decimals.
- 66. Finds percents of a number.
- 67. Finds the probability from simple data.
- 68. Calculates the probability from simple data.
- 69. Calculates the probability from geometric models.
- 70. Creates a tree diagram.
- 71. Finds the probability of a compound event.
- 72. Determines fairness of a game.
- 73. Plots and reads points on a coordinate plane.