

Midwest Region PASS Center

MATH 8A (New 2008)

Math 8 A is divided into two parts, A and B. Each unit teaches concepts and strategies that are recommended for 8th grade students in mathematical standards from many states, as well as the National Council of Teachers of Mathematics.

UNIT 1 – Real Numbers

This unit investigates the real number system and its properties.

UNIT 2 – Algebraic Expressions

Algebra may be used to help us solve many problems in our everyday life. In order to use algebra effectively, you must learn to translate the language you speak everyday into algebraic form, perform appropriate operations within this algebraic form, and then translate the result back into your everyday speaking language.

UNIT 3 – Factoring, Linear Equations, and Inequalities

This unit focuses on factoring algebraic expressions, writing and solving linear equations, and writing and graphing inequalities on a number line.

UNIT 4 – Functions and Systems

Functions, equations of lines, and systems of equations are the main focus of this unit.

UNIT 5 – Probability and Statistics

Theoretical and experimental probability will be explored in the first part of this unit. The second part focuses on graphs and other ways to present statistical data.