

Grade K5 – Grade 8

Wisconsin State Framework Descriptors Mathematical Processes

Objectives, Subskills, and Descriptors

Mathematical Processes

Students will effectively use mathematical knowledge, skills and strategies related to reasoning, communication, connections, representation and problem solving.

Descriptors, such as but not limited to

Use reasoning and logic to:

- Perceive patterns
- Identify relationships
- Formulate questions
- Pose problems
- Make conjectures
- Justify strategies
- Test reasonableness of results

Communicate mathematical ideas and reasoning using the vocabulary of mathematics in a variety of ways e.g., using words, numbers, symbols, pictures, charts, tables, diagrams, graphs, and models.

Connect mathematics to the real world, as well as within mathematics.

Create and use representations to organize, record, and communicate mathematical ideas.

Solve and analyze routine and non-routine problems.