

MFL MarMac Mathematics

Standards and Benchmarks

Grades K-2 Benchmarks

A. Students can understand and apply a variety of math concepts.

1. Students can understand and apply number properties and operations.
2. Students can understand and apply concepts and procedures of algebra.
3. Students can understand and apply concepts of geometry.
4. Students can understand and apply concepts of measurement.
5. Students can understand and apply concepts in probability.

B. Students can understand and apply methods of estimation.

1. Students can understand and apply concepts and procedure, standard rounding, order of magnitude, and number sense.

C. Students can solve a variety of math problems.

1. Students can solve math problems.
2. Students can understand and apply problem-solving approaches and procedures.

D. Students can interpret data presented in a variety of ways.

1. Students can use tables and graphs to locate and read information.
2. Students can interpret data from a variety of sources.

Grades 3-5 Benchmarks

A. Students can understand and apply a variety of math concepts.

1. Students can understand and apply number properties and operations.
2. Students can understand and apply concepts and procedures of algebra.
3. Students can understand and apply concepts of geometry.
4. Students can understand and apply concepts of measurement.

5. Students can understand and apply concepts in probability and statistics.

B. Students can understand and apply methods of estimation.

1. Students can understand and apply concepts and procedures of standard rounding, order of magnitude, and number sense.

C. Students can solve a variety of math problems.

1. Students can solve math problems.

2. Students can understand and apply problem-solving approaches and procedures.

D. Students can interpret data presented in a variety of ways.

1. Students can use tables and graphs to locate and read information.

2. Students can interpret data from a variety of sources.

Grades 6-9 Benchmarks

A. Students can understand and apply a variety of math concepts.

1. Students can understand and apply number properties and operations.

2. Students can understand and apply concepts and procedures of algebra.

3. Students can understand and apply concepts of geometry.

4. Students can understand and apply concepts of measurement.

5. Students can understand and apply concepts in probability and statistics.

B. Students can understand and apply methods of estimation.

1. Students can understand and apply concepts and procedures of standard rounding, order of magnitude, and number sense.

C. Students can solve a variety of math problems.

1. Students can solve math problems.

2. Students can understand and apply problem-solving approaches and procedures.

D. Students can interpret data presented in a variety of ways.

1. Students can use tables and graphs to locate and read information.

2. Students can interpret data from a variety of sources.

Grades 10-12 Benchmarks

A. Students can understand and apply a variety of math concepts.

1. Students can understand and apply number properties and operations.
2. Students can understand and apply concepts and procedures of algebra.
3. Students can understand and apply concepts of geometry and measurement.
4. Students can understand and apply concepts in probability and statistics.

B. Students can understand and apply methods of estimation.

1. Students can understand and apply concepts and procedures of standard rounding, order of magnitude, and number sense.

C. Students can solve a variety of math problems.

1. Students can solve math problems requiring multiple steps and operations.
2. Students can reason quantitatively.

D. Students can interpret data presented in a variety of ways.

1. Students can make inferences based on data presented in a variety of ways.
2. Students can interpret data from a variety of sources.