



STANDARDS FOR MATHEMATICAL PRACTICE

The Standards for Mathematical Practices are described in the Idaho Content Standards for Mathematics. Students use these practices to engage in mathematics.

WHAT STUDENTS DO

- SMP 1** Make sense of problems and persevere in solving them
- SMP 2** Reason abstractly and quantitatively
- SMP 3** Construct viable arguments and critique the reasoning of others
- SMP 4** Model with mathematics
- SMP 5** Use appropriate tools strategically
- SMP 6** Attend to precision
- SMP 7** Look for and make use of structure
- SMP 8** Look for and express regularity in repeated reasoning



IDAHO MATHEMATICS INSTRUCTIONAL FRAMEWORK

These high-impact teaching practices engage students in the Standards for Mathematical Practice described in the Idaho Content Standards for Mathematics

WHAT TEACHERS DO

- 1** Establish mathematics goals to focus learning
- 2** Implement tasks that promote reasoning and problem solving
- 3** Use and connect mathematical representations
- 4** Facilitate meaningful mathematical discourse
- 5** Pose purposeful questions
- 6** Build procedural fluency from conceptual understanding
- 7** Support productive struggle in learning mathematics
- 8** Elicit and use evidence of student thinking