Math ISAT: Mathematical Reasoning and Problem Solving
Skills: Reasoning Skills

Students: RIT Above 260:
- Identifies the contrapositive of a conditional statement

Students: RIT 251-260:
- Verifies reasonableness of results of complex problems

Students: RIT 241-250:
- Verifies reasonableness of results of complex problems

Students: RIT 231-240:
- Constructs simple, valid arguments using if ...then statements based on Venn diagrams

Students: RIT 221-230:
- Looks for a growing pattern to solve a problem
- Solves real-world problems using reasoning strategies
- Uses truth tables to solve simple logic problems
- Produces a valid conjecture using inductive reasoning by generalizing from a pattern of observations

Students: RIT 211-220:
- Uses manipulatives and models to demonstrate thinking processes
- Looks for a growing pattern to solve a problem
- Solves real-world problems using reasoning strategies
- Produces a valid conjecture using inductive reasoning by generalizing from a pattern of observations

Students: RIT 201-210:
- Uses manipulatives and models to demonstrate thinking processes
- Looks for a linear pattern to solve a problem
- Looks for a repeating pattern to solve a problem
- Use patterns and their generalizations to make and justify inferences and predictions
- Produces a valid conjecture using inductive reasoning by generalizing from a pattern of observations

Students: RIT 191-200:
- Looks for a simple linear pattern in a table to solve a problem

Students: RIT 181-190:
- No Skills Listed

Students: RIT 171-180:
- No Skills Listed

Students: RIT 161-170:
- No Skills Listed

Students: RIT Below 161:
- No Skills Listed