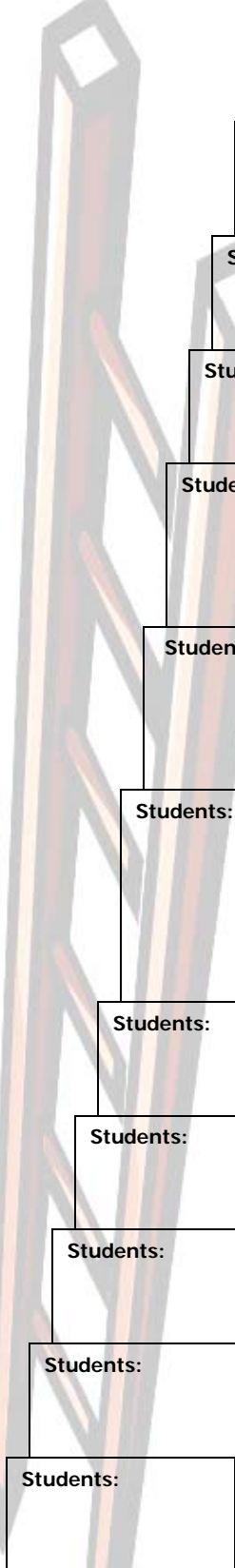


Math ISAT: Mathematical Reasoning and Problem Solving

Skills: Reasoning Skills



Students:	RIT Above 260: <ul style="list-style-type: none">Identifies the contrapositive of a conditional statement
Students:	RIT 251-260: <ul style="list-style-type: none">Verifies reasonableness of results of complex problems
Students:	RIT 241-250: <ul style="list-style-type: none">Verifies reasonableness of results of complex problems
Students:	RIT 231-240: <ul style="list-style-type: none">Constructs simple, valid arguments using if ...then statements based on Venn diagrams
Students:	RIT 221-230: <ul style="list-style-type: none">Looks for a growing pattern to solve a problemSolves real-world problems using reasoning strategiesUses truth tables to solve simple logic problemsProduces a valid conjecture using inductive reasoning by generalizing from a pattern of observations
Students:	RIT 211-220: <ul style="list-style-type: none">Uses manipulatives and models to demonstrate thinking processesLooks for a growing pattern to solve a problemSolves real-world problems using reasoning strategiesProduces a valid conjecture using inductive reasoning by generalizing from a pattern of observations
Students:	RIT 201-210: <ul style="list-style-type: none">Uses manipulatives and models to demonstrate thinking processesLooks for a linear pattern to solve a problemLooks for a repeating pattern to solve a problemSolves real-world problems using reasoning strategiesUse patterns and their generalizations to make and justify inferences and predictionsProduces a valid conjecture using inductive reasoning by generalizing from a pattern of observations
Students:	RIT 191-200: <ul style="list-style-type: none">Looks for a simple linear pattern in a table to solve a problem
Students:	RIT 181-190: <ul style="list-style-type: none"><i>No Skills Listed</i>
Students:	RIT 171-180: <ul style="list-style-type: none"><i>No Skills Listed</i>
Students:	RIT 161-170: <ul style="list-style-type: none"><i>No Skills Listed</i>
Students:	RIT Below 161: <ul style="list-style-type: none"><i>No Skills Listed</i>