

Math ISAT: Estimation and Accurate Computations

Skills: Properties

Students:	RIT Above 270: <ul style="list-style-type: none">• <i>No Skills Listed</i>
Students:	RIT 261-270: <ul style="list-style-type: none">• <i>No Skills Listed</i>
Students:	RIT 251-260: <ul style="list-style-type: none">• Uses the additive inverse property with rational numbers• Identifies the commutative property of multiplication
Students:	RIT 241-250: <ul style="list-style-type: none">• Uses the multiplicative inverse property with rational numbers• Identifies the associative property of addition
Students:	RIT 231-240: <ul style="list-style-type: none">• Uses the distributive property• Identifies the distributive property
Students:	RIT 221-230: <ul style="list-style-type: none">• Demonstrates an understanding of the commutative property of multiplication with complex problems (e.g., parenthesis, 3 factors)• Demonstrates an understanding of multiple properties• Uses the distributive property
Students:	RIT 211-220: <ul style="list-style-type: none">• Demonstrates an understanding of the inverse relationship between addition and subtraction• Demonstrates an understanding of the associative property of multiplication• Demonstrates an understanding of the commutative property of multiplication with simple problems• Demonstrates an understanding of the distributive property of multiplication by decomposing a term• Recognizes multiplication and division fact families• Uses the commutative property of addition with rational numbers• Demonstrates an understanding that division by 0 is undefined
Students:	RIT 201-210: <ul style="list-style-type: none">• Demonstrates an understanding of the associative property of addition• Demonstrates an understanding of the commutative property of addition• Demonstrates an understanding of the zero property of addition (identity)• Demonstrates an understanding of symmetric property applied to basic addition and subtraction facts (e.g., $10 = 2 + 8$ is the same as $2 + 8 = 10$ or $7 = 10 - 3$ is the same as $10 - 3 = 7$)*• Demonstrates an understanding of the commutative property of multiplication with simple problems• Demonstrates an understanding of symmetric property applied to multiplication (e.g., $8 \times 4 = 32$ is the same as $32 = 8 \times 4$)• Recognizes multiplication and division fact families• Uses the commutative property of addition with rational numbers
Students:	RIT 191-200: <ul style="list-style-type: none">• Demonstrates an understanding of the commutative property of multiplication with simple problems• Demonstrates an understanding of the zero property of multiplication• Demonstrates an understanding of the multiplicative property of 1 (identity)
Students:	RIT 181-190: <ul style="list-style-type: none">• Recognizes fact families through 18• Demonstrates an understanding of the zero property of multiplication• Demonstrates an understanding of the inverse relationship between multiplication and division
Students:	RIT 171-180: <ul style="list-style-type: none">• Recognizes fact families through 18• Demonstrates an understanding that vertical and horizontal representations are equivalent
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>