

# Math ISAT: Estimation and Accurate Computations

## Skills: Estimation

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| Students: | <b>RIT Above 270:</b> <ul style="list-style-type: none"><li>• <i>No Skills Listed</i></li></ul>  |
| Students: | <b>RIT 261-270:</b> <ul style="list-style-type: none"><li>• <i>No Skills Listed</i></li></ul>  |
| Students: | <b>RIT 251-260:</b> <ul style="list-style-type: none"><li>• <i>No Skills Listed</i></li></ul>  |
| Students: | <b>RIT 241-250:</b> <ul style="list-style-type: none"><li>• Uses estimation to solve problems involving decimals</li></ul>   |
| Students: | <b>RIT 231-240:</b> <ul style="list-style-type: none"><li>• Uses estimation to solve problems involving decimals</li><li>• Uses estimation to solve problems involving proportional reasoning (decimals only)</li><li>• Determines the most accurate answer (fractions only)</li></ul>   |
| Students: | <b>RIT 221-230:</b> <ul style="list-style-type: none"><li>• Uses estimation to solve problems involving fractions and mixed numbers</li><li>• Uses rounding to estimate answers to real-world problems involving multiplication and division of numbers less than 100 (whole numbers only)</li><li>• Uses rounding to estimate answers to real-world problems involving numbers less than 1000 with multiplication and division</li><li>• Uses rounding to estimate answers to real-world problems involving numbers 1000 or greater using multiplication and division (whole numbers only)</li><li>• Uses rounding to estimate answers to real-world problems involving fractions and mixed numbers</li></ul>   |
| Students: | <b>RIT 211-220:</b> <ul style="list-style-type: none"><li>• Uses referent numbers to estimate answers when adding and subtracting fractions and mixed numbers</li><li>• Uses rounding to estimate answers to difficult multiplication and division problems (whole numbers only)</li><li>• Uses rounding to estimate answers to 1-step problems involving answers \$20 or greater (using decimals)</li><li>• Uses rounding to estimate answers to 2-step problems involving money (using decimals)</li><li>• Uses rounding to estimate answers to real-world problems involving multiplication and division of numbers less than 100 (whole numbers only)</li><li>• Uses rounding to estimate answers to real-world problems involving numbers less than 1000 with multiplication and division</li><li>• Uses rounding to estimate answers to real-world problems involving numbers 1000 or greater using multiplication and division (whole numbers only)</li></ul>   |
| Students: | <b>RIT 201-210:</b> <ul style="list-style-type: none"><li>• Uses front end digits to estimate answers in addition and subtraction problems (whole numbers only)</li><li>• Uses front end estimation for multiplication and division (whole numbers only)</li><li>• Uses rounding to estimate answers to addition and subtraction problems (whole numbers only)</li><li>• Uses rounding to estimate answers to simple multiplication and division problems (whole numbers only)</li><li>• Uses rounding to estimate answers to 1-step problems involving answers \$20 or greater (using decimals)</li><li>• Uses rounding to estimate answers to 2-step problems involving money (using decimals)</li><li>• Uses rounding to estimate answers to 2-step problems involving money (whole numbers only)</li><li>• Uses rounding to estimate answers to real-world problems involving numbers 1000 or greater with addition and subtraction (whole numbers only)</li></ul> |
| Students: | <b>RIT 191-200:</b> <ul style="list-style-type: none"><li>• Uses front end digits to estimate answers in addition and subtraction problems (whole numbers only)</li><li>• Uses rounding to estimate answers to addition and subtraction problems (whole numbers only)</li><li>• Uses rounding to estimate answers to 1-step problems involving answers less than \$20 (decimals only, e.g., \$1.20 + \$2.75)</li><li>• Uses rounding to estimate answers to 1-step problems involving answers less than \$1 (whole numbers only, e.g., 10 cents + 10 cents)</li><li>• Uses rounding to estimate answers to real-world problems involving numbers less than 1000 with addition and subtraction (whole numbers only)</li></ul>   |
| Students: | <b>RIT 181-190:</b> <ul style="list-style-type: none"><li>• Uses rounding to estimate answers to real-world problems involving addition of numbers less than 100 (whole numbers only)</li></ul>  |
| Students: | <b>RIT Below 181:</b> <ul style="list-style-type: none"><li>• <i>No Skills Listed</i></li></ul>  |