

Math ISAT: Estimation and Accurate Computations

Skills: Fractions and Decimals – Addition and Subtraction

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">• <i>No Skills Listed</i>
Students:	RIT 241-250: <ul style="list-style-type: none">• <i>No Skills Listed</i>
Students:	RIT 231-240: <ul style="list-style-type: none">• Adds fractions with unlike denominators, with reducing or converting to a mixed fraction• Adds whole numbers, fractions, and mixed fractions, without reducing• Adds mixed fractions where converting from improper fractions is necessary• Subtracts whole numbers, fractions, and mixed fractions, with regrouping• Solves real-world problems involving addition and subtraction of fractions, where converting both denominators is necessary• Subtracts a decimal from a whole number, horizontally
Students:	RIT 221-230: <ul style="list-style-type: none">• Adds fractions with like denominators, with reducing or converting to a mixed fraction• Adds fractions with unlike denominators, without reducing• Adds fractions with unlike denominators, with reducing or converting to a mixed fraction• Adds whole numbers, fractions, and mixed fractions, without reducing• Adds mixed fractions where converting from improper fractions is necessary• Subtracts fractions with like denominators, with reducing• Subtracts fractions with unlike denominators, without reducing• Subtracts fractions with unlike denominators, with reducing• Subtracts mixed fractions with unlike denominators, with no regrouping• Subtracts whole numbers, fractions, and mixed fractions, with regrouping• Solves real-world problems involving addition and subtraction of fractions, where converting one denominator is necessary• Adds decimals to the hundredths place in horizontal format (not same number of digits)• Adds decimals through the hundred-thousandths place• Subtracts decimals to the hundredths place (not same number of digits)• Subtracts decimals to the thousandths place, horizontally, with and without regrouping• Subtracts decimals through the hundred-thousandths place, horizontally• Subtracts a decimal from a whole number, horizontally
Students:	RIT 211-220: <ul style="list-style-type: none">• Adds fractions with like denominators, without reducing• Adds fractions with like denominators, with reducing or converting to a mixed fraction• Adds fractions with unlike denominators, without reducing• Adds mixed fractions with like denominators• Adds simple mixed fractions with unlike denominators (e.g., halves, thirds, fourths, eighths)• Subtracts simple fractions with unlike denominators, without reducing (e.g., halves, quarters, thirds, eighths)• Subtracts fractions with unlike denominators, without reducing• Subtracts mixed fractions with like denominators, with no regrouping• Subtracts mixed fractions with unlike denominators, with no regrouping• Solves real-world problems involving addition and subtraction of fractions, where converting one denominator is necessary• Adds decimals to the hundredths place in horizontal format (not same number of digits)• Adds decimals to the thousandths place horizontally, with and without regrouping• Adds decimals through the hundred-thousandths place• Subtracts decimals to the thousandths place, vertically, with the zero missing in the ones place• Subtracts decimals to the thousandths place, horizontally, with and without regrouping• Computes the value of multiple bills and coins (addition/subtraction only)• Analyzes and computes 1 operation on real-world problems involving money over \$5.00 (addition/subtraction only)• Computes addition and subtraction on multiple-step real-world problems involving money

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Skills: Fractions and Decimals – Addition and Subtraction

Students:

RIT 201-210:

- Adds fractions with like denominators, without reducing
- Adds simple mixed fractions with unlike denominators (e.g., halves, thirds, fourths, eighths)
- Adds whole numbers and fractions
- Subtracts fractions with like denominators, without reducing
- Subtracts mixed fractions with like denominators, with no regrouping
- Subtracts whole numbers, fractions, and mixed fractions
- Solves real-world 1-step problems involving addition and subtraction of fractions with like denominators
- Adds decimals to the hundredths place in vertical format (not same number of digits)
- Adds decimals to the thousandths place horizontally, with and without regrouping
- Subtracts decimals to the hundredths place (same number of digits) with regrouping
- Subtracts decimals to the thousandths place, vertically, with and without regrouping
- Subtracts decimals through the hundred-thousandths place, vertically
- Computes the value of multiple bills and coins (addition/subtraction only)
- Computes money problems with multiple operations (addition/subtraction only)
- Computes addition and subtraction on multiple-step real-world problems involving money

Students:

RIT 191-200:

- Subtracts fractions with like denominators, without reducing
- Solves real-world 1-step problems involving addition and subtraction of fractions with like denominators
- Adds money with regrouping
- Adds decimals to the hundredths place (same number of digits)
- Adds decimals to the hundredths place in vertical format (not same number of digits)
- Adds decimals to the thousandths place vertically, with and without regrouping
- Subtracts decimals to the hundredths place (same number of digits) without regrouping
- Subtracts decimals to the hundredths place (same number of digits) with regrouping
- Subtracts decimals to the thousandths place, vertically, with and without regrouping
- Computes 1 operation on real-world problems involving money over \$5.00 (addition/subtraction only)
- Computes with dollars and cents up to and including \$5.00 and converts to decimals (addition/subtraction only)
- Solves real-world problems involving decimals (not money) using addition and subtraction

Students:

RIT 181-190:

- Adds money with regrouping
- Adds decimals to the hundredths place (same number of digits)
- Subtracts decimals to the hundredths place (same number of digits) without regrouping
- Computes 1 operation on addition or subtraction real world problems involving money up to \$5.00
- Computes with dollars and cents up to and including \$5.00 and converts to decimals (addition/subtraction only)

Students:

RIT 171-180:

- Instantly recalls basic multiplication facts where one factor is 0-5 and the other factor is 0-12
- Multiplies basic facts to 10 x 10 vertically

Students:

RIT 161-170:

- Adds money vertically, with no regrouping

Students:

RIT Below 161:

- *No Skills Listed*