

Math ISAT: Estimation and Accurate Computations

Skills: Fractions and Decimals – Multiplication and Division

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"> • Multiplies mixed fractions • Divides a fraction by a fraction • Divides a fraction by a whole number • Divides a whole number by a fraction • Divides a mixed fraction by a whole number • Divides a whole number by a mixed fraction • Divides a mixed fraction by a fraction • Divides a fraction by a mixed fraction • Divides a mixed fraction by a mixed fraction • Solves 2- or more step real-world problems involving fractions with multiplication and division • Solves problems involving fractions (e.g., multiple operations, conversions) • Multiplies a decimal by 10, 100, 1000 • Divides a whole number by a decimal • Divides a decimal by 10, 100, 1000 • Divides a decimal by a decimal • Solves difficult real-world problems involving decimals (e.g., multiple multiplications, conversions) • Solves real-world problems involving rate of pay • Solves real-world problems involving rate of pay with time and a half • Solves problems involving decimals (e.g., conversions) • Describes the effects of multiplying a number by a number between 0 and 1
Students:	RIT 221-230: <ul style="list-style-type: none"> • Multiplies a fraction by a fraction, without reducing to simplest form (complex problem) • Multiplies a fraction by a fraction, where reducing to simplest form is necessary • Multiplies a fraction by a whole number • Multiplies mixed fractions • Divides a fraction by a fraction • Divides a mixed fraction by a fraction • Solves 1-step real-world problems involving fractions with multiplication and division • Solves 2- or more step real-world problems involving fractions with multiplication and division • Solves problems involving fractions (e.g., multiple operations, conversions)* • Multiplies a decimal by a decimal, vertical form (factors to tenths or hundredths) • Multiplies a decimal by a decimal (factors to hundredths) • Multiplies a decimal by 10, 100, 1000 • Multiplies a decimal by a decimal (factors to thousandths) • Divides a decimal by 10, 100, 1000 • Divides a decimal by a decimal • Computes the value of multiple bills and coins (multiplication/division) • Computes with dollars and cents over \$5.00 and converts to decimals (multiplication/division) • Solves difficult real-world problems involving decimals (e.g., multiple multiplications, conversions) • Solves real-world problems involving rate of pay
Students:	RIT 211-220: <ul style="list-style-type: none"> • Multiplies a fraction by a fraction, where reducing to simplest form is necessary • Multiplies a fraction by a whole number • Solves 1-step real-world problems involving fractions with multiplication and division • Multiplies a decimal by a decimal, vertical form (factors to tenths or hundredths) • Multiplies a decimal by a decimal (factors to hundredths) • Divides decimal by a whole number • Analyzes and computes 1 operation on real-world problems involving money over \$5.00 (multiplication/division) • Computes addition, subtraction, multiplication, and division on multiple-step real-world problems involving money • Computes with dollars and cents over \$5.00 and converts to decimals (multiplication/division) • Solves real-world problems involving decimals (not money) using multiplication

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Students:

RIT 201-210:

- Multiplies a fraction by a fraction, without reducing to simplest form (simple problem)
- Multiplies a decimal by whole number
- Divides decimal by a whole number
- Computes addition, subtraction, multiplication, and division on multiple-step real-world problems involving money
- Computes with dollars and cents up to and including \$5.00 and converts to decimals (multiplication/division)

Students:

RIT 191-200:

- Solves real-world 1-step problems involving multiplication or division of a whole number by a fraction
- Multiplies a decimal by whole number
- Computes 1 operation on real-world problems involving money over \$5.00 (multiplication/division)
- Computes with dollars and cents up to and including \$5.00 and converts to decimals (multiplication/division)
- Computes half price (multiplication/division)

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*