

Math ISAT: Concepts and Principles of Measurement

Skills: Conversions

<p>Students:</p>	<p>RIT Above 260:</p> <ul style="list-style-type: none"> • <i>No Skills Listed</i>
<p>Students:</p>	<p>RIT 251-260:</p> <ul style="list-style-type: none"> • <i>No Skills Listed</i>
<p>Students:</p>	<p>RIT 241-250:</p> <ul style="list-style-type: none"> • Solves problems involving length in the metric system and converts to larger or smaller units • Solves problems involving weight in the customary system and converts to larger or smaller units • Converts from Celsius to Fahrenheit, given conversion ratios • Uses dimensional analysis for unit conversions (area) • Solves problems involving capacity in the metric system and converts to larger or smaller units
<p>Students:</p>	<p>RIT 231-240:</p> <ul style="list-style-type: none"> • Converts between feet, yards, and miles • Converts between millimeters, centimeters, meters, and kilometers • Computes basic subtraction and multiplication with units of length • Solves problems involving length in the customary system and converts to larger or smaller units • Solves problems involving length in the metric system and converts to larger or smaller units • Estimates difficult conversions involving length between the customary and metric system • Converts between the customary and metric system given conversion ratios (2-step, length) • Converts between grams and kilograms • Solves problems involving weight in the customary system and converts to larger or smaller units • Converts from Celsius to Fahrenheit, given conversion ratios • Converts within the metric system • Computes basic operations with units of capacity • Solves problems involving capacity in the customary system and converts to larger or smaller units
<p>Students:</p>	<p>RIT 221-230:</p> <ul style="list-style-type: none"> • Converts between inches, feet, and yards • Converts between feet, yards, and miles • Converts between millimeters, centimeters, meters, and kilometers • Computes basic addition with units of length • Computes basic subtraction and multiplication with units of length • Solves problems involving length in the customary system and converts to larger or smaller units • Computes basic operations with units of time • Relates years, decades, centuries, and millenniums • Computes 2-step conversions between units of time • Converts between ounces and pounds • Converts between ounces, pounds, and tons • Computes basic operations with units of weight/mass • Converts between cups, pints, quarts, and gallons • Converts within the metric system • Solves problems involving capacity in the customary system and converts to larger or smaller units
<p>Students:</p>	<p>RIT 211-220:</p> <ul style="list-style-type: none"> • Converts between inches and feet • Converts between inches, feet, and yards • Converts between feet, yards, and miles • Computes basic addition with units of length • Solves simple problems involving measurement of length • Converts between the customary and metric system given conversion ratios (1-step, length) • Computes basic operations with units of time • Relates years, decades, centuries, and millenniums • Solves simple problems involving measurement of weight • Converts between cups, pints, quarts, and gallons • Estimates conversions between customary and metric system
<p>Students:</p>	<p>RIT 201-210:</p> <ul style="list-style-type: none"> • Converts between inches and feet • Solves simple problems involving measurement of length • Estimates simple conversions involving length between the customary and metric system • Computes simple conversions among units of time (hours, days) • Computes more difficult conversions among units of time • Solves problems involving measurement of time • Converts between milligrams and grams • Converts between cups and pints • Converts between cups, pints, and quarts

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Skills: Conversions

Students:

RIT 191-200:

- Computes simple conversions among units of time (minutes, hours)
- Computes simple conversions among units of time (hours, days)
- Solves problems involving measurement of temperature
- Converts between cups and pints
- Converts between cups, pints, and quarts

Students:

RIT 181-190:

- Computes simple conversions among units of time (days, weeks)

Students:

RIT 171-180:

- Computes simple conversions among units of time (minutes in an hour, half hour, quarter hour)

Students:

RIT 161-170:

- *No Skills Listed*

Students:

RIT Below 161:

- *No Skills Listed*