

Math DesCartes: Concepts and Principles of Measurement

Skills: Length, Weight, Mass and Capacity

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| Students: | DesCartes Skills: (Highlight the skills related to your chosen standard/concept) |
| | RIT 251-260: • Solves complex real-world problems involving capacity |
| | RIT 231-240: • Measures length to the nearest millimeter |
| | RIT 221-230: • Knows the approximate size of a meter • Measures length to the nearest millimeter • Uses the appropriate unit of measure for length |
| | RIT 211-220: • Knows the approximate size of a millimeter • Knows the approximate size of a kilometer • Measures length to the nearest half inch • Measures length to the nearest quarter of an inch • Measures length to the nearest eighth of an inch • Knows the approximate size of an ounce • Knows the approximate size of a gallon • Solves simple problems involving capacity • Selects and uses the appropriate type and size of unit in metric system (length, height and mass) |
| | RIT 201-210: • Knows the approximate size of a centimeter • Knows the approximate size of a yard • Measures length to the nearest centimeter • Knows the approximate size of a gram • Knows the approximate size of a pound • Selects and uses balances for measuring weight or mass • Selects and uses the appropriate type and size of unit in metric system (length and height) |
| | RIT 191-200: • Knows the approximate size of a foot • Knows the approximate size of a mile • Measures length with non-standard units • Knows the approximate size of an ounce • Uses balance scale to measure weight of an unknown object • Knows the approximate size of a pint • Selects and uses the appropriate type and size of unit in customary system (length, height, weight, capacity) |
| | RIT 181-190: • Knows the approximate length of familiar objects • Knows the approximate size of an inch • Measures length with non-standard units • Measures length with customary measures to the half inch mark • Determines more capacity or less capacity • Identifies the appropriate instrument used to measure length • Selects and uses the appropriate type and size of unit in customary system (length, height, weight, capacity) |
| | RIT 171-180: • Estimates and measures length of an object to the nearest centimeter using a picture of a ruler • Measures length with customary measures to the inch mark • Knows the approximate weight of familiar objects |
| | RIT 161-170: • Compares objects (shorter, longer) • Estimates and measures length of an object to the nearest inch using a picture of a ruler • Measures length with metric measures to the centimeter mark • Measures length with customary measures to the inch mark |

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| | RIT Below 161: • Compares objects (wider, narrower) • Compares objects (taller, shorter) |
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Lesson Title:

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| Standard/Concept for All: |
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For Students Ready for a Challenge:

Lesson/Activity:

Resources:

Means of Assessment:

For Most Students:

Lesson/Activity:

Resources:

Means of Assessment:

For Students Needing Extra Support:

Lesson/Activity:

Resources:

Means of Assessment:

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| Closure/Summary for All: |
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