

Primary Grades Instructional Data (10 point option)

Subject: Mathematics

Goal: Measurement



Database last updated with additional data statements on 2/15/2008

141 - 150	Skills and Concepts to Enhance (73% probability*)	151 - 160	Skills and Concepts to Develop (50% probability*)	161 - 170	Skills and Concepts to Introduce (27% probability*)
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Attributes, Compare, Order, Tools, Units

<p>141 Classifies objects by temperature (cold; using manipulatives; real-world objects)</p> <p>141 Identifies the appropriate measurement unit for time (morning; words shown)</p> <p>144 Identifies the appropriate measurement tool for time (watch; manipulatives shown; real-world objects)</p> <p>146 Compares lengths of objects (longest; manipulatives and words shown; real-world objects)</p> <p>146 Identifies the appropriate measurement tool for time (calendar; words shown)</p> <p>149 Identifies the appropriate measurement tool for time (clock; words shown)</p>	<p>152 Identifies the appropriate measurement tool for purchases (money; words shown)</p> <p>153 Identifies length (manipulatives shown; real-world objects)</p> <p>153 Identifies the appropriate measurement tool for temperature (thermometer; words shown)</p> <p>155 Identifies the appropriate measurement tool for height (ruler; manipulatives shown; real-world objects)</p> <p>155 Identifies the appropriate measurement tool for length (ruler; words shown)</p> <p>160 Compares lengths of time (shortest; hours; numerals and words only)</p>	<p>163 Compares capacities of objects (least; manipulatives shown; real-world objects)</p> <p>163 Compares temperatures (hottest; °C; temperatures shown)</p> <p>163 Compares width of objects (narrowest; manipulatives shown; real-world objects)</p> <p>164 Compares temperatures (colder; manipulatives and words shown; real-world objects)</p> <p>166 Identifies days of the week (Thursday; words shown)</p> <p>166 Identifies the appropriate measurement unit for distance (mile; words shown)</p> <p>168 Compares weights of objects (least; manipulatives and numerals shown; real-world objects)</p> <p>170 Identifies the appropriate measurement unit for weight (pounds; numerals and words shown)</p>
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Identify, Attributes: Lines, 2-D, 3-D

<p>141 Names a circle (manipulatives and words shown; real-world objects)</p> <p>142 Illustrates a rectangle (manipulatives shown; real-world objects)</p> <p>142 Sorts objects by shape (square; using manipulatives)</p> <p>143 Illustrates an oval (manipulatives shown)</p> <p>144 Names a circle (manipulatives and</p>	<p>151 Names a cube (manipulatives and words shown; real-world object)</p> <p>152 Names a cone (manipulatives and words shown; real-world object)</p> <p>152 Names a triangle (manipulatives and words shown; geometric shape)</p> <p>152 Names a triangle (manipulatives and words shown; real-world objects)</p> <p>154 Identifies a quadrilateral (attributes</p>	<p>161 Classifies shapes according to attributes (three sides; words shown)</p> <p>161 Finds a geometric shape that is not a polygon (manipulatives shown; geometric objects)</p> <p>161 Illustrates a cube (manipulatives shown; 3-D geometric figures)</p> <p>163 Names a pyramid (manipulatives and words shown; real-world object)</p>
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* At the range mid-point, this is the probability students would correctly answer items measuring these concepts and skills.

141 - 150

Skills and Concepts to Enhance
(73% probability*)

words shown; geometric shape)

145 Names an oval (manipulatives and words shown; geometric shape)

146 Names a rectangle (manipulatives and words shown; geometric shape)

151 - 160

Skills and Concepts to Develop
(50% probability*)

given; manipulatives shown; geometric objects)

159 Classifies 2-D figures by attributes (four corners; manipulatives and words shown)

159 Names a cone (manipulatives and words shown; 3-D geometric figure)

161 - 170

Skills and Concepts to Introduce
(27% probability*)

164 Selects a common attribute of 3-D geometric figures (pyramid, prism; manipulatives shown)

166 Exemplifies a circle (real-world; words shown)

168 Classifies shapes according to attributes (two long sides, two short sides; words shown)

170 Names a cylinder (manipulatives and words shown; real-world object)

Measure and Estimate

144 Reads a ruler (height; cm; manipulatives shown; real-world objects)

145 Reads a ruler (length; inches; manipulatives shown; real-world objects)

148 Reads a clock (to the hour; manipulatives shown; real-world objects; analog clock; time given in numerical format)

150 Measures height (inches; manipulatives given; ruler)

150 Reads a scale (pounds; manipulatives shown; real-world objects)

152 Measures height (cm; manipulatives given; real-world objects; ruler)

153 Reads a ruler (length; cm; manipulatives shown; real-world objects)

156 Understands the temperature word for a given situation (very cold; real-world situation; words shown)

158 Reads a calendar (day of week; calendar shown)

158 Understands the temperature word for a given situation (hot; real-world situation; words shown)

165 Measures height (cm; manipulatives given; real-world object; ruler)

165 Understands time (yesterday, today; tomorrow; words shown)

167 Estimates time (longer than a week; words shown)

167 Estimates weight (less than 1 pound; words shown)

167 Measures width (inches; manipulatives given; real-world objects; ruler)

168 Measures length (cm; manipulatives given; ruler)

168 Reads a calendar (weather symbols; calendar shown)

168 Represents time on a given analog clock using a digital clock (to the hour; manipulatives shown; real-world objects; analog and digital clocks; time given in numerical format)

168 Understands temperature (very hot; real-world situation; words shown)

169 Measures height (non-standard units; sticks; manipulatives given; real-world objects)

170 Reads a calendar (number of days; calendar shown)

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141 - 150

Skills and Concepts to Enhance
(73% probability*)

151 - 160

Skills and Concepts to Develop
(50% probability*)

161 - 170

Skills and Concepts to Introduce
(27% probability*)

170 Understands temperature (°F;
real-world situation; words shown)

Spatial, Transformations, Symmetry, Congruence

145 Identifies the shape of a face on a 3-D figure as a 2-D figure (cube; manipulatives shown; 3-D geometric figure)

146 Illustrates congruency (manipulatives shown; real-world objects)

147 Understands location words (last; manipulatives shown; real-world objects)

147 Understands location words (under; manipulatives and words shown; real-world objects)

148 Understands location words (to the right of; manipulatives shown; real-world objects)

149 Illustrates congruency (manipulatives shown; geometric shapes)

150 Understands location words (inside; manipulatives and words shown; real-world objects)

151 Illustrates symmetry (circle cut into two equal parts with a line of symmetry; multiple shapes)

152 Illustrates congruency (manipulatives shown; real-world objects)

156 Identifies the name of the shape of the top on a 3-D figure as a 2-D figure (cylinder; manipulatives and words shown; 3-D geometric figure)

157 Understands location words (to the left of; manipulatives shown; real-world objects)

160 Illustrates symmetry (half of a symmetrical object; manipulatives shown; real-world objects)

162 Understands location words (above; manipulatives shown; real-world objects)

165 Illustrates a transformation (flip; manipulatives shown; real-world objects)

169 Understands location words (farthest to the left; manipulatives shown; geometric shapes)

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