

# MAP for Primary Grades Instructional Data: Mathematics Measurement and Geometry

## Skills: Measure and Estimate (1 of 2)

	Area	Length, Width, Height	Perimeter
<b>Students:</b> (RIT 201-210)	<b>RIT 201-210:</b> <b>208</b> Determines the area of a rectangle (manipulatives shown; grid lines given)	<b>RIT 201-210:</b> <b>201</b> Measures height (non-standard units; hands; manipulatives given; real-world objects)	<b>RIT 201-210:</b> • <i>No Skills Listed</i>
<b>Students:</b> (RIT191-200)	<b>RIT 191-200:</b> • <i>No Skills Listed</i>	<b>RIT 191-200:</b> <b>198</b> Understands measurement (length; non-standard units compared to standard units; manipulatives shown; real-world objects; ruler) <b>196</b> Estimates length (12 feet wide; words shown)	<b>RIT 191-200:</b> • <i>No Skills Listed</i>
<b>Students:</b> (RIT 181-190)	<b>RIT 181-190:</b> • <i>No Skills Listed</i>	<b>RIT 181-190:</b> <b>188</b> Estimates length (less than 1 m long; words shown) <b>185</b> Measures length (non-standard units; manipulatives given; real-world objects) <b>183</b> Understands measurement (non-standard units; manipulatives shown; real-world objects)	<b>RIT 181-190:</b> • <i>No Skills Listed</i>
<b>Students:</b> (RIT 171-180)	<b>RIT 171-180:</b> • <i>No Skills Listed</i>	<b>RIT 171-180:</b> <b>178</b> Reads a ruler (width; cm; manipulatives shown; real-world objects) <b>177</b> Reads a ruler (length; to the 1/2 inch; manipulatives shown; real-world objects) <b>176</b> Estimates height (less than 1 foot long; manipulatives shown; real-world objects) <b>174</b> Measures width (cm; manipulatives given; ruler) <b>173</b> Measures height (cm; manipulatives given; ruler)	<b>RIT 171-180:</b> <b>171</b> Determines the perimeter of a square (non-standard units; manipulatives shown; real-world objects)
<b>Students:</b> (RIT 161-170)	<b>RIT 161-170:</b> • <i>No Skills Listed</i>	<b>RIT 161-170:</b> <b>169</b> Measures height (non-standard units; sticks; manipulatives given; real-world objects) <b>168</b> Measures length (cm; manipulatives given; ruler) <b>167</b> Measures width (inches; manipulatives given; real-world objects; ruler) <b>165</b> Measures height (cm; manipulatives given; real-world object; ruler)	<b>RIT 161-170:</b> • <i>No Skills Listed</i>
<b>Students:</b> (RIT 151-160)	<b>RIT 151-160:</b> • <i>No Skills Listed</i>	<b>RIT 151-160:</b> <b>153</b> Reads a ruler (length; cm; manipulatives shown; real-world objects) <b>152</b> Measures height (cm; manipulatives given; real-world objects; ruler)	<b>RIT 151-160:</b> • <i>No Skills Listed</i>
<b>Students:</b> (RIT 141-150)	<b>RIT 141-150:</b> • <i>No Skills Listed</i>	<b>RIT 141-150:</b> <b>150</b> Measures height (inches; manipulatives given; ruler) <b>145</b> Reads a ruler (length; inches; manipulatives shown; real-world objects) <b>144</b> Reads a ruler (height; cm; manipulatives shown; real-world objects)	<b>RIT 141-150:</b> • <i>No Skills Listed</i>