



## Content Correlation Chart

### Episode 21 – The Cubic Rube

Major Concepts	Grades	Number Sense and Numeration	Measurement	Geometry and Spatial Sense
1. Counting by 10's 2. Investigating the relationship between the size of a unit and the number of units needed to measure the length of an object 3. Sorting and classifying 4. Three-dimensional figures by attributes 5. relating shapes to other shapes, to designs, and to figures 6. representing and ordering numbers to 100	1	<ul style="list-style-type: none"> <li>Demonstrate an understanding of magnitude by counting forward to 100</li> <li>Count forward by 10's to 100</li> </ul>	<ul style="list-style-type: none"> <li>Estimate, measure and describe capacity</li> <li>Estimate, measure, and describe the capacity and/or mass of an object, through investigation using non-standard units</li> <li>Compare two or three objects using measurable attributes</li> <li>Capacity, and describe the objects using relative terms e.g., bigger</li> <li>Use the metre as a benchmark for measuring length, and describe, through investigation using concrete materials, the relationship between the size of a unit and the number of units needed measure</li> </ul>	<ul style="list-style-type: none"> <li>Identify common two-dimensional and three-dimensional figures</li> <li>Compose and decompose three-dimensional figures</li> <li>Identify and describe common two-dimensional shapes e.g., squares</li> <li>Trace and identify the two-dimensional faces for three-dimensional figures, using concrete models (e.g., "I can see squares on the cube.")</li> <li>Identify and describe common three-dimensional figures (e.g., cubes)</li> <li>Build three-dimensional structures using concrete materials, and describe the two-dimensional shapes the structures contain</li> </ul>
7. measuring length using centimetres and metres 8. measuring capacity 9. choosing personal referents for the centimetre and the metre 10. classifying three-dimensional figures by geometric properties (number and shape of faces) 11. estimate, measure and record the capacity of containers using the standard unit of the litre	2	<ul style="list-style-type: none"> <li>Represent whole numbers to 100</li> <li>Determine, through investigation using concrete materials, the relationship between the number of fractional parts of a whole and the size of the fractional parts</li> <li>Counting forward by 10's starting from multiples of 10</li> </ul>	<ul style="list-style-type: none"> <li>Choose benchmarks – in this case, personal referents – for a centimetre and a metre</li> <li>Estimate and measure length, height, and using standard units (i.e., centimeter) and select and justify the choice of a standard unit (i.e., centimeter or metre)</li> <li>Estimate, measure, and record the capacity of an object</li> </ul>	<ul style="list-style-type: none"> <li>Identify and describe various three-dimensional figures (i.e., cubes) and sort and classify them by their geometric properties (i.e., number and shape of faces), using concrete materials</li> <li>Create models and skeletons of prisms using concrete materials</li> <li>Describe their geometric properties (i.e., number and shape of faces, number of edges)</li> <li>Build a structure using three-dimensional figures, and describe the two-dimensional shapes and three-dimensional figures in the structure (e.g., "I used a box that looks like a triangular prism to build the roof of my house.")</li> </ul>