GRADE 3 Shape and	Key Concepts in	Sample Diagnostic Tasks	Sample Learning Tasks Selected	Math Station Ideas:
Space	Measurement underpinning	and Activities	from FSIM: Measurement	
Specific Outcomes	Curriculum Outcomes from		Resource Book <i>One</i> AND	
	FSIM: Measurement		Measurement Resource Book	
	Resource Book One AND		Two (links to documents)	
	Two		,	
SS3.1 Demonstrate	Understand Units KU6:		Measurement <i>One</i> , page 75	"Which Takes Longer?" p.
understanding of the	Our choice of attribute and		Units of Time	243 TS-CM
passage of time	unit depends on what we			
including:	are trying to measure and			Time Matching Game (link to
<ul> <li>relating common</li> </ul>	why.			printable)
activities to standard				
and nonstandard units	Direct Measure KU1:		Measurement <i>One</i> , page 119	Clockworks (online)
<ul> <li>describing</li> </ul>	We can directly compare		• Comparing Time Taken	
relationships between	objects or events to say		Companing time taken	Stop the Clock 1 (online; half
units	which has more length,			hour intervals)
<ul> <li>solving situational</li> </ul>	mass, capacity, area,			
questions.	volume, angle or time.		Measurement <i>One</i> , page 170-173	Stop the Clock 2 (online;
	_		• Races	precision to 5 minutes)
	Direct Measure KU6:		Water Timer	
	We can judge and measure			Calendar Clowns (online)
	time using both natural		• Timing a Run	
	cyclical changes and		Daily Events	
	special techniques and		How Long to Go	
	tools which people have		Walking Clock Face	
	developed.		• Egg Timer	
	·		Analogue and Digital Clocks	
	Indirect Measure KU4:		Clocks and Stopwatches	
	We can calculate one			
	measurement from others		Measurement <i>Two</i> , page 71	
	using relationships		• Excursions	
	between quantities.			
	'			

Estimate KU2:  • We can improve our estimates by getting to know the size of common units and by practising judging the size of objects and events.	Measurement <i>Two</i> , pages 96-101  • Just a Minute  • Minute Timer  • Egg Timer Estimates	
---	---	--

GRADE 3 Shape and	Key Concepts in	Sample Diagnostic Tasks	Sample Learning Tasks Selected	Math Station Ideas:
Space	Measurement underpinning	and Activities	from FSIM: Measurement	
Specific Outcomes	Curriculum Outcomes from		Resource Book <i>One</i> AND	
	FSIM: Measurement		Measurement Resource Book	
	Resource Book <i>One AND</i>		<u>Two</u> (links to documents)	
	Two		,	
SS3.2 Demonstrate	Understand Units KU3:		Measurement One, pages 42-43	"Grocery Flyer Collage/Let's
understanding of	To measure something		Using a Balance Scale	Go Shopping" (document)
measuring mass in g	means to say how much of		Balancing Tools	
and kg by:	a particular attribute it		Different Units	"Lightest to Heaviest"
<ul> <li>selecting and</li> </ul>	has. We measure by			(document)
justifying referents for g	choosing a unit and			
and kg	working out how many of			"Build and Measure"
<ul> <li>modelling and</li> </ul>	the unit it takes to match			(document)
describing the	the object or event.			
relationship between g				<u>Understanding Mass</u> (link to
and kg	Understand Units KU4:		Measurement One, p.56-	Kahn Academy video and
<ul> <li>estimating mass using</li> </ul>	• The instrument we choose		Using Balance Scales	practice)
referents	to represent our unit		Balancing	
<ul><li>measuring and</li></ul>	should relate well to the			
recording mass.	attribute to be measured			
	and be easy to repeat to			
	match the object or event			
	to be measured.			
	Understand Units KU7:		Management One in 84.87	
	Standard units help us to		Measurement One, p. 84-87	
	interpret, communicate,		Naming Units     Class Class	
	and calculate		• Class Store	
	measurements.		Birth Mass	
	measurements.		Paperweight	
	Indirect Measure KU4:		Measurement, page 71	
	We can calculate one		Overcoming Limitations	
	measurement from others		- Overcoming Limitations	

using relationships	
between quantities.	
	Measurement, page 100
Estimate KU2:	Food at Home
We can improve our	
estimates by getting to	
know the size of common	
units and by practising	
judging the size of objects	
and events.	

GRADE 3 Shape and	Key Concepts in	Sample Diagnostic	Sample Learning Tasks Selected	Math Station Ideas:
Space	Measurement underpinning	Tasks and Activities	from FSIM: Measurement	
Specific Outcomes	Curriculum Outcomes from		Resource Book <i>One</i> AND	
	FSIM: Measurement		Measurement Resource Book	
	Resource Book <i>One AND Two</i>		Two (links to documents)	
SS3.3 Demonstrate	Understanding Units KU1:		Measurement One, page 37	"Measuring Body Parts"
understanding of linear	• We can compare objects or		Twelve Tiles	(document)
measurement (cm and	events by how much of a		Perimeter and Area	
m) including:	particular attribute each			"Measurement: Let's Measure
<ul> <li>selecting and</li> </ul>	has. Different attributes			Perimeter" (document)
justifying referents	may result in different			
<ul> <li>generalizing the</li> </ul>	orders.			"Rolling for Rectangles"
relationship between				(document)
cm and m	Understanding Units KU3:		Measurement One, pages 44-45	
<ul> <li>estimating length and</li> </ul>	<ul> <li>To measure something</li> </ul>		Snail Trails	"Perimeter Shapes"
perimeter using	means to say how much of		• Steps	(document)
referents	a particular attribute it has.		·	
<ul><li>measuring and</li></ul>	We measure by choosing a			
recording length, width,	unit and working out how			
height, and perimeter.	many of the unit it takes to			
	match the object or event.			
	Understanding Units KU7:		Measurement One, pages 84-86	
	<ul> <li>Standard units help us to</li> </ul>		Measuring Lengths	
	interpret, communicate,		Tools for Measuring	
	and calculate		Tee-Ball	
	measurements.			
	Understanding Units KU8:		Measurement One, pages 93-94	
	<ul> <li>The relationships among</li> </ul>		• Charts 1, 2	
	standard units in the metric		Metres to Decimetres	
	system help us to judge		Decimetres to Centimetres	
	size, move between units,			
	and do computations.			

Indirect Measure KU4:  • We can calculate one measurement from others using relationships between quantities.  Estimate KU1:  • We can make judgements about order and size without actually measuring. We should think about how confident we can be of our estimate.	Measurement Two, page 71  Borders  Frame a Picture  Broken Ruler  Measurement Two, pages 89-90  Choose a Rope  Marking Out Games
Estimate KU2:  • We can improve our estimates by getting to know the size of common units and by practising judging the size of objects and events.	Measurement Two, pages 96-99  Benchmark  My Metre  A Metre  Furniture Through the Door

GRADE 3 Shape and	Key Concepts in	Sample Diagnostic Tasks	Sample Learning Tasks Selected	Math Station Ideas:
Space	Measurement underpinning	and Activities	from FSIM: Geometry and Space	
Specific Outcomes	Curriculum Outcomes from		Resource Book (link to online	
	FSIM: Geometry and Space		resource)	
	Resource Book			
SS3.4 Demonstrate	Represent Shape KU1:		Geometry and Shape, pages 74 –	"I Spy Game" (document)
understanding of 3-D	When we copy and make		75	
objects by analyzing	figures and objects, we		Copy a Prism	"Headband Game: Guess My
characteristics including	need to think about how		• Finding 2-D in 3-D	Solid" (document)
faces, edges, and	the whole thing looks and		Shape Bingo	
vertices.	about how the parts relate		, -	
	to each other and to the			"3-D Bingo" (document)
	whole.			
				"Target Match" (document)
	Represent Shape KU2:			
	• The net of an object has to		Geometry and Shape, pages 90 -	
	have the same component		91	
	parts as the object, and		Matching 2-D with 3-D	
	the parts have to be in the		Tracing	
	correct relationship to			
	each other.			
	Represent Shape KU3:		Geometry and Shape, pages 103	
	· ·		• Skeleton Object	
	To understand drawings of     abjects we need to		• Ten Cubes	
	objects, we need to combine what we can		• ren cubes	
	actually see with what we			
	think is there. Special			
	drawing techniques			
	emphasize different aspects of an object.			
	aspects of all object.			

GRADE 3 Shape and	Key Concepts in	Sample Diagnostic Tasks	Sample Learning Tasks Selected	Math Station Ideas:
Space	Measurement underpinning	and Activities	from FSIM: Geometry and Space	
Specific Outcomes	Curriculum Outcomes from		Resource Book (link to online	
	FSIM: Geometry and Space		resource)	
	Resource Book			
SS3.5 Demonstrate	Reason Geometrically KU1:		Geometry and Shape, page 179	"You are a Square (Glyph
understanding of 2-D	• Things can be the same in		Guess My Figure	activity)" (document)
shapes (regular and	some ways and different in		Sorting Figures	
irregular) including	other ways. When we			"Polygon Game" (document)
triangles, quadrilaterals,	classify, we sort things into			
pentagons, hexagons,	groups that are the same			"Geometry Gallery"
and octagons including:	in specified ways.			(document)
<ul><li>describing</li></ul>				
• comparing	Reason Geometrically KU2:		Geometry and Shape, page 190-	Sorting 2-D Shapes on a
• sorting.	<ul> <li>Thinking about shape can</li> </ul>		192	Venn Diagram (online)
	help us to understand the		• Circles	
	way things work and fit		• Triangles 1	
	together.		Decorations and Designs	
			Mosaics	
	Reason Geometrically KU4:			
	<ul> <li>People have developed</li> </ul>		Geometry and Shape, page 213-	
	useful ways to classify		217	
	shapes. Knowing that a		• Puzzles	
	shape is one of the		Rectangles and Triangles	
	standard types can tell us a		Part of a Figure	
	lot about it.		Quadrilaterals	