

CPCCCM1015A Matrix Map

(Generated Thursday, 08 September 2016)

ELEMENTS AND PERFORMANCE CRITERIA

Element	Performance Criteria	Task / Question Map
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<p>1. Plan and prepare.</p>	<p>1.1. Work instructions are confirmed and applied using relevant information.</p>	<p>Whole Numbers - Dividing: Q1 Fractions: Q1 Q2 Q3 Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8 Ruler: Q1 Q2 Q3 Q4 Q5 Tape Measure: Q2 Q3 Measurement - Summary: Q1 Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6 Angles - Summary: Q1 Q2 Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Circles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Combined Shapes: Q1 Q2 Q3 Areas - Summary: Q1 Q2 Measuring Volume: Q1 Q2 Q3 Q4 Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Cylinders: Q1 Q2 Q3 Volume - Summary: Q1 What is a Ratio: Q1 Q2 Q3 Q4 Q5 Converting Linear Measurement: Q3 Rounding: Q1 Q2 Q3 Q4 Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5 Circumference: Q1 Q2 Q3 Q4 Q5 Q6 Video Response - Identify Faults - Tape Measure: Q1 Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6</p>
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	<p>1.2. Safety (OHS) requirements are obtained from site safety plan, other regulatory specifications or legal obligations, and are applied.</p>	<p>Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6 Workplace Task: Safety requirements were identified and safety legislation complied with.</p>
	<p>1.3. Measuring and calculating equipment selected to carry out tasks is consistent with job requirements, is checked for serviceability, and any faults are rectified or reported.</p>	<p>Video Response - Identify Faults - Tape Measure: Q1 Workplace Task:</p>

<p>2. Obtain measurements.</p>	<p>2.1. Method of obtaining the measurement is selected and applied.</p>	<p>Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8 Ruler: Q1 Q2 Q3 Q4 Q5 Tape Measure: Q1 Q2 Q3 Measurement - Summary: Q1 Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6 Angles - Summary: Q1 Q2 Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Circles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Combined Shapes: Q1 Q2 Q3 Areas - Summary: Q1 Q2 Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Cylinders: Q1 Q2 Q3 Volume - Summary: Q1 Converting Linear Measurement: Q3 Rounding: Q1 Q2 Q3 Q4 Perimeter - Squares, Rectangles, Triangles and Rhombus: Q4 Q5 Circumference: Q1 Q2 Q3 Q4 Q5 Q6 Workplace Task: Plan measuring tasks including communicating and reviewing specifications and drawings</p>
	<p>2.2. Measurements are obtained using a rule or tape accurate to 1mm.</p>	<p>Fractions: Q2 Ruler: Q3 Q4 Q5 Tape Measure: Q1 Q2 Q3 Workplace Task: Measuring lengths to 1 mm tolerance</p>

	<p>2.3. Measurements, including areas and volumes, are confirmed and recorded.</p>	<p>Whole Numbers - Multiplying: Q1 Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Fractions: Q2 Decimal Numbers: Q2 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8 Ruler: Q3 Q4 Q5 Tape Measure: Q1 Q2 Q3 Measurement - Summary: Q1 Angles - Summary: Q1 Q2 Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Circles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Combined Shapes: Q1 Q2 Q3 Areas - Summary: Q1 Q2 Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Volume - Summary: Q1 Perimeter - Squares, Rectangles, Triangles and Rhombus: Q4 Q5 Circumference: Q1 Q2 Q3 Q4 Q5 Q6</p>
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<p>3. Perform calculations.</p>	<p>3.1. Appropriate calculation factors are determined and correct method is selected for achieving required result.</p>	<p>Whole Numbers - Adding: Q6 Q7 Whole Numbers - Subtracting: Q2 Q3 Whole Numbers - Multiplying: Q1 Q2 Q3 Q4 Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Fractions: Q1 Q2 Q3 Q4 Q5 Q6 Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Metric Lengths & Estimation: Q8 Ruler: Q3 Q4 Q5 Tape Measure: Q1 Q2 Q3 Measurement - Summary: Q1 Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6 Angles - Summary: Q1 Q2 Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Circles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Combined Shapes: Q1 Q2 Q3 Areas - Summary: Q1 Q2 Measuring Volume: Q1 Q2 Q3 Q4 Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Cylinders: Q1 Q2 Q3 Volume - Summary: Q1 What is a Ratio: Q1 Q2 Q3 Q4 Q5 Converting Linear Measurement: Q3 Rounding: Q1 Q2 Q3 Q4 Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5 Circumference: Q1 Q2 Q3 Q4 Q5 Q6</p>
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	<p>3.2. Material quantities for the project are correctly calculated using appropriate factors.</p>	<p>Whole Numbers - Subtracting: Q2 Q3 Whole Numbers - Multiplying: Q3 Q4 Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Fractions: Q1 Q2 Q3 Q4 Q5 Q6 Decimal Numbers: Q4 Q7 Q8 Percentages: Q1 Q4 Q5 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Measurement - Summary: Q1 Areas - Summary: Q1 Q2 Rectangular Prisms: Q7 Q8 Q9 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Cylinders: Q1 Q2 Q3 Volume - Summary: Q1 What is a Ratio: Q2 Q3 Q4 Q5 Circumference: Q1 Q2 Q3 Q4 Q5 Q6</p>
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	<p>3.3. Results are confirmed and recorded.</p>	<p>Whole Numbers - Adding: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Whole Numbers - Subtracting: Q2 Q3 Whole Numbers - Multiplying: Q1 Q2 Q3 Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Fractions: Q1 Q2 Q3 Q4 Q5 Q6 Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8 Tape Measure: Q1 Q2 Q3 Measurement - Summary: Q1 Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6 Angles - Summary: Q1 Q2 Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Circles: Q3 Q4 Q5 Q6 Q7 Combined Shapes: Q1 Q2 Q3 Areas - Summary: Q1 Q2 Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Cylinders: Q1 Q2 Q3 Volume - Summary: Q1 What is a Ratio: Q1 Q2 Q3 Q4 Q5 Converting Linear Measurement: Q3 Rounding: Q1 Q2 Q3 Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5 Circumference: Q1 Q2 Q3 Q4 Q5 Q6</p>
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<p>4. Estimate approximate quantities.</p>	<p>4.1. Calculations for determining material requirements are taken.</p>	<p>Whole Numbers - Subtracting: Q2 Q3 Whole Numbers - Multiplying: Q3 Q4 Fractions: Q1 Decimal Numbers: Q1 Q3 Q5 Q6 Q8 Percentages: Q1 Q4 Q5 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8 Tape Measure: Q1 Measurement - Summary: Q1 Recognising Angles: Q6 Q7 Q8 Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Circles: Q3 Q4 Q5 Q6 Q7 Areas - Summary: Q1 Q2 Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Cylinders: Q1 Q2 Volume - Summary: Q1 What is a Ratio: Q1 Q2 Q3 Q4 Q5 Perimeter - Squares, Rectangles, Triangles and Rhombus: Q4 Q5 Circumference: Q6</p>
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	<p>4.2. <i>Appropriate formulas for calculating quantities are selected.</i></p>	<p><i>Whole Numbers - Multiplying: Q1 Q2 Q3</i> <i>Fractions: Q1 Q3</i> <i>Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8</i> <i>Measurement - Summary: Q1</i> <i>Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Squares and Rectangles: Q1 Q2 Q4</i> <i>Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Circles: Q1 Q2</i> <i>Combined Shapes: Q1 Q2 Q3</i> <i>Areas - Summary: Q1 Q2</i> <i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i> <i>Triangular Prisms: Q1 Q2 Q3 Q4 Q5</i> <i>Cylinders: Q1 Q2 Q3</i> <i>Volume - Summary: Q1</i> <i>Rounding: Q1 Q2 Q3 Q4</i> <i>Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5</i> <i>Circumference: Q1 Q2 Q3 Q4 Q5 Q6</i></p>
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	<p>4.3. Quantities are estimated from the calculations taken.</p>	<p>Whole Numbers - Multiplying: Q1 Q2 Q3 Q4 Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Fractions: Q4 Decimal Numbers: Q4 Q7 Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Measurement - Summary: Q1 Triangles: Q7 Circles: Q3 Q4 Q5 Q6 Q7 Combined Shapes: Q1 Q2 Q3 Areas - Summary: Q1 Q2 Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Cylinders: Q1 Q2 Q3 Volume - Summary: Q1 What is a Ratio: Q1 Q2 Q3 Q4 Q5 Rounding: Q1 Q2 Q3 Q4 Perimeter - Squares, Rectangles, Triangles and Rhombus: Q4 Q5 Circumference: Q6</p>
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	<p>4.4. Material quantities for the project are calculated, confirmed and recorded within enterprise tolerances.</p>	<p>Whole Numbers - Subtracting: Q2 Q3 Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Fractions: Q1 Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8 Measurement - Summary: Q1 Triangles: Q7 Combined Shapes: Q1 Q2 Areas - Summary: Q1 Q2 Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Cylinders: Q1 Q2 Q3 Volume - Summary: Q1 What is a Ratio: Q1 Q2 Q3 Q4 Q5 Rounding: Q1 Q2 Q3 Q4 Circumference: Q6</p>
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REQUIRED SKILLS

Required Skill	Task / Question Map
Required skills for this unit are: communication skills to:	

determine requirements

Whole Numbers - Adding: Q5 Q6 Q7
Whole Numbers - Subtracting: Q2 Q3
Whole Numbers - Multiplying: Q1 Q2 Q3
Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5
Fractions: Q1 Q2 Q3 Q4 Q5 Q6
Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8
Ruler: Q3 Q4 Q5
Tape Measure: Q1 Q2 Q3
Measurement - Summary: Q1
Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6
Angles - Summary: Q1 Q2
Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9
Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7
Circles: Q1 Q2 Q3 Q4 Q5 Q6 Q7
Combined Shapes: Q1 Q2 Q3
Areas - Summary: Q1 Q2
Measuring Volume: Q1 Q2 Q3 Q4
Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Triangular Prisms: Q1 Q2 Q3 Q4 Q5
Cylinders: Q1 Q2 Q3
Volume - Summary: Q1
What is a Ratio: Q1 Q2 Q3 Q4 Q5
Converting Linear Measurement: Q3
Rounding: Q1 Q2 Q3 Q4
Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5
Circumference: Q1 Q2 Q3 Q4 Q5 Q6
Video Response - Identify Faults - Tape Measure: Q1

Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6

<i>enable clear and direct communication, using questioning to identify and confirm requirements, share information, listen and understand</i>	<i>Workplace Task: Plan measuring tasks including communicating and reviewing specifications and drawings</i>
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follow instructions

Whole Numbers - Adding: Q5 Q6 Q7
Whole Numbers - Subtracting: Q2 Q3
Whole Numbers - Multiplying: Q1 Q2 Q3 Q4
Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5
Fractions: Q1 Q2 Q3 Q4 Q5 Q6
Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8
Ruler: Q1 Q2 Q3 Q4
Tape Measure: Q1 Q2 Q3
Measurement - Summary: Q1
Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6
Angles - Summary: Q1 Q2
Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9
Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7
Circles: Q1 Q2 Q3 Q4 Q5 Q6 Q7
Combined Shapes: Q1 Q2 Q3
Areas - Summary: Q1 Q2
Measuring Volume: Q1 Q2 Q3 Q4
Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9
Triangular Prisms: Q1 Q2 Q3 Q4 Q5
Cylinders: Q1 Q2 Q3
Volume - Summary: Q1
What is a Ratio: Q1 Q2 Q3 Q4 Q5
Converting Linear Measurement: Q3
Rounding: Q1 Q2 Q3 Q4
Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5
Circumference: Q1 Q2 Q3 Q4 Q5 Q6
Video Response - Identify Faults - Tape Measure: Q1

Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6

read and interpret:

documentation from a variety of sources

Whole Numbers - Adding: Q4 Q5 Q6 Q7
Whole Numbers - Multiplying: Q4
Fractions: Q3
Percentages: Q1 Q5 Q6
Calculations - Summary: Q3 Q4 Q5
Measurement - Summary: Q1
Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Right Angles Including Pythagoras: Q2 Q3 Q4 Q5 Q6
Angles - Summary: Q1 Q2
Squares and Rectangles: Q3 Q5 Q6 Q7 Q8 Q9
Triangles: Q7
Circles: Q3 Q4 Q5 Q6 Q7
Combined Shapes: Q1 Q2 Q3
Areas - Summary: Q1 Q2
Rectangular Prisms: Q6 Q7 Q8 Q9
Triangular Prisms: Q1 Q2 Q3 Q4 Q5
Cylinders: Q1 Q2 Q3
Volume - Summary: Q1
What is a Ratio: Q2 Q3
Converting Linear Measurement: Q3
Rounding: Q1 Q2 Q3 Q4
Perimeter - Squares, Rectangles, Triangles and Rhombus: Q4 Q5
Circumference: Q6
Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6

<p><i>drawings and specifications</i></p>	<p><i>Fractions: Q2 Q4</i> <i>Decimal Numbers: Q2</i> <i>Calculations - Summary: Q2 Q3 Q5</i> <i>Measurement - Summary: Q1</i> <i>Recognising Angles: Q1 Q2 Q3</i> <i>Right Angles Including Pythagoras: Q5 Q6</i> <i>Angles - Summary: Q2</i> <i>Squares and Rectangles: Q3 Q5 Q6 Q7 Q8 Q9</i> <i>Triangles: Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Circles: Q3 Q4 Q5 Q6 Q7</i> <i>Areas - Summary: Q1 Q2</i> <i>Measuring Volume: Q4</i> <i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i> <i>Triangular Prisms: Q1 Q2 Q3 Q4</i> <i>Cylinders: Q1 Q2 Q3</i> <i>Volume - Summary: Q1</i> <i>Perimeter - Squares, Rectangles, Triangles and Rhombus: Q4 Q5</i> <i>Circumference: Q2 Q3 Q4 Q5 Q6</i></p>
<p><i>report faults</i></p>	<p><i>Video Response - Identify Faults - Tape Measure: Q1</i></p>

<p><i>use language and concepts appropriate to cultural differences</i></p>	<p><i>Whole Numbers - Dividing: Q1 Q2</i> <i>Fractions: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8</i> <i>Ruler: Q1 Q2 Q3 Q4 Q5</i> <i>Tape Measure: Q1 Q2 Q3</i> <i>Measurement - Summary: Q1</i> <i>Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Angles - Summary: Q1 Q2</i> <i>Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i> <i>Circles: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Combined Shapes: Q1 Q2</i> <i>Areas - Summary: Q1 Q2</i> <i>Triangular Prisms: Q1 Q2 Q3 Q4 Q5</i> <i>Cylinders: Q1 Q2 Q3</i> <i>Converting Linear Measurement: Q3</i> <i>Rounding: Q1 Q2 Q3 Q4</i> <i>Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5</i> <i>Circumference: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Video Response - Identify Faults - Tape Measure: Q1</i></p>
<p><i>use and interpret non-verbal communication, such as hand signals</i></p>	<p><i>Hand Signals and Construction Industry Terminology: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Video Response - Identify Faults - Tape Measure: Q1</i></p>

<p>written skills to record measurements, calculations and quantities</p>	<p>Whole Numbers - Multiplying: Q1 Q2 Q3 Q4 Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Tape Measure: Q1 Q2 Q3 Measurement - Summary: Q1 Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Angles - Summary: Q1 Q2 Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Measuring Volume: Q4 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Cylinders: Q1 Q2 Q3 Rounding: Q1 Q2 Q3 Q4 Circumference: Q1 Q2 Q3 Q4 Q5 Q6</p>
<p>identifying and accurately reporting to appropriate personnel any faults in tools, equipment or materials</p>	<p>Video Response - Identify Faults - Tape Measure: Q1</p>

<p><i>numeracy skills to apply measurements, calculations and geometry</i></p>	<p><i>Whole Numbers - Adding: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i></p> <p><i>Whole Numbers - Subtracting: Q2 Q3</i></p> <p><i>Whole Numbers - Multiplying: Q1 Q2 Q3 Q4</i></p> <p><i>Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Fractions: Q1 Q2 Q3 Q4 Q5 Q6</i></p> <p><i>Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8</i></p> <p><i>Ruler: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Tape Measure: Q1 Q2 Q3</i></p> <p><i>Measurement - Summary: Q1</i></p> <p><i>Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6</i></p> <p><i>Angles - Summary: Q1 Q2</i></p> <p><i>Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i></p> <p><i>Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i></p> <p><i>Circles: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i></p> <p><i>Combined Shapes: Q1 Q2</i></p> <p><i>Measuring Volume: Q3 Q4</i></p> <p><i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i></p> <p><i>Triangular Prisms: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Cylinders: Q1 Q2 Q3</i></p> <p><i>Converting Linear Measurement: Q3</i></p> <p><i>Rounding: Q1 Q2 Q3 Q4</i></p> <p><i>Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Circumference: Q1 Q2 Q3 Q4 Q5 Q6</i></p>
<p><i>organisational skills, including the ability to plan and set out work</i></p>	<p><i>Calculations - Summary: Q1 Q2 Q3</i></p> <p><i>Video Response - Identify Faults - Tape Measure: Q1</i></p> <p><i>Workplace Task:</i></p>

<p><i>teamwork skills to work with others to action tasks and relate to people from a range of cultural and ethnic backgrounds and with varying physical and mental abilities</i></p>	<p><i>Workplace Task: Plan measuring tasks including communicating and reviewing specifications and drawings</i></p>
<p><i>technological skills to:</i></p>	
<p><i>use a range of mobile technology, such as two-way radio and mobile phones</i></p>	<p><i>Fractions: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Use of Communications Equipment: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Video Response - Identify Faults - Tape Measure: Q1</i></p>
<p><i>voice and hand signals to access and understand site-specific instructions.</i></p>	<p><i>Hand Signals and Construction Industry Terminology: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i></p>

REQUIRED KNOWLEDGE

Required Knowledge	Task / Question Map
Required knowledge for this unit is:	
<i>basic calculators</i>	<p><i>Whole Numbers - Multiplying: Q1 Q2 Q3</i></p> <p><i>Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Fractions: Q1 Q2 Q3 Q4 Q5 Q6</i></p> <p><i>Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8</i></p> <p><i>Tape Measure: Q3</i></p> <p><i>Measurement - Summary: Q1</i></p> <p><i>Right Angles Including Pythagoras: Q2 Q3 Q4 Q5 Q6</i></p> <p><i>Angles - Summary: Q1 Q2</i></p> <p><i>Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i></p> <p><i>Triangles: Q2 Q3 Q4 Q5 Q6 Q7</i></p> <p><i>Circles: Q3 Q4 Q5 Q6 Q7</i></p> <p><i>Combined Shapes: Q1 Q2 Q3</i></p> <p><i>Areas - Summary: Q1 Q2</i></p> <p><i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i></p> <p><i>Triangular Prisms: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Cylinders: Q1 Q2 Q3</i></p> <p><i>Volume - Summary: Q1</i></p> <p><i>Converting Linear Measurement: Q3</i></p> <p><i>Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Circumference: Q1 Q2 Q3 Q4 Q5 Q6</i></p>

<p><i>communication devices</i></p>	<p><i>Fractions: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8</i> <i>Use of Communications Equipment: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Video Response - Identify Faults - Tape Measure: Q1</i></p>
<p><i>company procedures</i></p>	<p><i>Video Response - Identify Faults - Tape Measure: Q1</i> <i>Workplace Task: Work area cleaned and waste disposed of in accordance to company policy and environmental legislation.</i></p>
<p><i>construction terminology</i></p>	<p><i>Whole Numbers - Multiplying: Q1 Q2 Q3</i> <i>Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5</i> <i>Fractions: Q1 Q2 Q3</i> <i>Decimal Numbers: Q2 Q3 Q7 Q8</i> <i>Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8</i> <i>Ruler: Q1 Q2</i> <i>Right Angles Including Pythagoras: Q6</i> <i>Angles - Summary: Q1 Q2</i> <i>Areas - Summary: Q1 Q2</i> <i>Measuring Volume: Q1 Q2 Q3 Q4</i> <i>Rectangular Prisms: Q8 Q9</i> <i>Volume - Summary: Q1</i> <i>Converting Linear Measurement: Q3</i> <i>Perimeter - Squares, Rectangles, Triangles and Rhombus: Q4 Q5</i> <i>Circumference: Q6</i> <i>Video Response - Identify Faults - Tape Measure: Q1</i> <i>Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6</i></p>
<p><i>job safety analysis (JSA) and safe work method statements</i></p>	<p><i>Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3</i> <i>Workplace Task:</i></p>

<p><i>measuring, calculating, geometry and determination of quantities</i></p>	<p><i>Whole Numbers - Subtracting: Q2 Q3</i> <i>Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5</i> <i>Fractions: Q1 Q2 Q3</i> <i>Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Combined Shapes: Q1 Q2 Q3</i> <i>Areas - Summary: Q1 Q2</i> <i>Measuring Volume: Q1 Q2 Q3 Q4</i> <i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i> <i>Volume - Summary: Q1</i> <i>Circumference: Q1 Q2 Q3 Q4 Q5 Q6</i></p>
<p><i>processes for care of measuring equipment</i></p>	<p><i>Workplace Task: Tools and equipment used were cleaned, checked, maintained and stored correctly after use. Faults reported to supervisor.</i></p>
<p><i>project quality requirements</i></p>	<p><i>Whole Numbers - Subtracting: Q3</i> <i>Whole Numbers - Multiplying: Q4</i> <i>Fractions: Q1 Q2 Q3</i> <i>Workplace Task: Plan measuring tasks including communicating and reviewing specifications and drawings</i></p>
<p><i>site and equipment safety (OHS) requirements</i></p>	<p><i>Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i></p>

tolerances.

Calculations - Summary: Q4 Q5 Q7

Ruler: Q3 Q4 Q5

Tape Measure: Q1 Q2 Q3

Measurement - Summary: Q1

Recognising Angles: Q4 Q5 Q6 Q7 Q8

Angles - Summary: Q1 Q2

Squares and Rectangles: Q3 Q5 Q6 Q7 Q8 Q9

Triangles: Q5 Q6 Q7

Circles: Q5 Q7

Combined Shapes: Q1 Q3

Areas - Summary: Q1 Q2

Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9

Cylinders: Q1 Q2 Q3

Volume - Summary: Q1

Rounding: Q1 Q2 Q3 Q4

Workplace Task: Measuring lengths to 1 mm tolerance

CRITICAL ASPECTS

Critical Aspects	Task / Question Map
A person who demonstrates competency in this unit must be able to provide evidence of the ability to:	

locate, interpret and apply relevant information

Whole Numbers - Adding: Q4 Q5 Q6 Q7
Whole Numbers - Subtracting: Q2 Q3
Whole Numbers - Multiplying: Q1 Q2 Q3 Q4
Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5
Fractions: Q1 Q2 Q3 Q4 Q5 Q6
Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Metric Lengths & Estimation: Q1
Ruler: Q1 Q2 Q3 Q4 Q5
Tape Measure: Q1 Q2 Q3
Measurement - Summary: Q1
Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8
Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6
Angles - Summary: Q1 Q2
Squares and Rectangles: Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9
Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7
Circles: Q1 Q2 Q3 Q4 Q5 Q6 Q7
Combined Shapes: Q1 Q2 Q3
Areas - Summary: Q1 Q2
Measuring Volume: Q1 Q2 Q3 Q4
Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9
Triangular Prisms: Q1 Q2 Q3 Q4 Q5
Cylinders: Q1 Q2 Q3
Volume - Summary: Q1
What is a Ratio: Q1 Q2 Q3 Q4 Q5
Rounding: Q1 Q2 Q3 Q4
Perimeter - Squares, Rectangles, Triangles and Rhombus: Q4 Q5
Circumference: Q1 Q2 Q3 Q4 Q5 Q6
Video Response - Identify Faults - Tape Measure: Q1
Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6

CPCCCM1015A Carry out measurements and calculations

Workplace Task: Plan measuring tasks including communicating and reviewing specifications and drawings

<p><i>comply with site safety plan, OHS regulations and state and territory legislation applicable to workplace operations</i></p>	<p><i>Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>National Safety Standards: Q1</i> <i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i></p>
<p><i>comply with organisational policies and procedures, including quality requirements</i></p>	<p><i>Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i></p>
<p><i>safely and effectively use tools and equipment</i></p>	<p><i>Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Workplace Task:</i></p>
<p><i>communicate and work effectively and safely with others</i></p>	<p><i>Video Response - Identify Faults - Tape Measure: Q1</i> <i>Workplace Task: Plan measuring tasks including communicating and reviewing specifications and drawings</i></p>
<p><i>complete measurements, calculations and determination of quantities for different projects of varying complexity in a range of contexts or occasions over time</i></p>	<p><i>Whole Numbers - Multiplying: Q1 Q2 Q3 Q4</i> <i>Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5</i> <i>Fractions: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Angles - Summary: Q1 Q2</i> <i>Squares and Rectangles: Q3 Q5 Q6 Q7 Q8 Q9</i> <i>Combined Shapes: Q1 Q2 Q3</i> <i>Areas - Summary: Q1 Q2</i> <i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i> <i>Rounding: Q1 Q2 Q3 Q4</i> <i>Lifting using pulleys: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i> <i>Workplace Task: Measuring lengths to 1 mm tolerance</i></p>
<p>calculate each of the following using a realistic construction task or example:</p>	

<p><i>length</i></p>	<p><i>Whole Numbers - Dividing: Q1</i> <i>Decimal Numbers: Q4 Q8</i> <i>Calculations - Summary: Q1 Q6</i> <i>Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8</i> <i>Ruler: Q3 Q4 Q5</i> <i>Tape Measure: Q1 Q2 Q3</i> <i>Measurement - Summary: Q1</i> <i>Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Angles - Summary: Q1 Q2</i> <i>Squares and Rectangles: Q5 Q9</i> <i>Combined Shapes: Q1 Q2 Q3</i> <i>Areas - Summary: Q1 Q2</i> <i>Rectangular Prisms: Q6 Q7 Q8 Q9</i> <i>Volume - Summary: Q1</i> <i>Perimeter - Squares, Rectangles, Triangles and Rhombus: Q3 Q4 Q5</i></p>
<p><i>perimeter</i></p>	<p><i>Measurement - Summary: Q1</i> <i>Areas - Summary: Q1 Q2</i> <i>Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5</i></p>
<p><i>circumference</i></p>	<p><i>Areas - Summary: Q1 Q2</i> <i>Circumference: Q1 Q2 Q3 Q4 Q5 Q6</i></p>
<p><i>area</i></p>	<p><i>Whole Numbers - Dividing: Q4</i> <i>Decimal Numbers: Q2 Q6</i> <i>Calculations - Summary: Q2 Q4</i> <i>Squares and Rectangles: Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i> <i>Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Circles: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Combined Shapes: Q1 Q2 Q3</i> <i>Areas - Summary: Q1 Q2</i></p>

<i>volume</i>	<p><i>Whole Numbers - Dividing: Q3</i></p> <p><i>Measuring Volume: Q1 Q2 Q3 Q4</i></p> <p><i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i></p> <p><i>Triangular Prisms: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Cylinders: Q1 Q2 Q3</i></p> <p><i>Volume - Summary: Q1</i></p>
<i>number</i>	<p><i>Whole Numbers - Adding: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i></p> <p><i>Whole Numbers - Subtracting: Q2 Q3</i></p> <p><i>Whole Numbers - Dividing: Q5</i></p> <p><i>Decimal Numbers: Q1 Q3 Q5 Q7</i></p> <p><i>Calculations - Summary: Q3 Q4 Q6 Q7</i></p> <p><i>Measurement - Summary: Q1</i></p> <p><i>Rectangular Prisms: Q7 Q8 Q9</i></p> <p><i>Rounding: Q1 Q2 Q3 Q4</i></p>
<i>ratio</i>	<p><i>Fractions: Q1 Q2 Q3 Q4 Q5 Q6</i></p> <p><i>Calculations - Summary: Q5</i></p> <p><i>Recognising Angles: Q4</i></p> <p><i>What is a Ratio: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Lifting using pulleys: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i></p>
<i>percentage</i>	<p><i>Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Calculations - Summary: Q8</i></p>

<p><i>conversion of metres to millimetres and millimetres to metres</i></p>	<p><i>Metric Lengths & Estimation: Q1 Q2 Q4 Q5 Q6</i></p> <p><i>Ruler: Q1 Q2</i></p> <p><i>Tape Measure: Q1 Q2 Q3</i></p> <p><i>Measurement - Summary: Q1</i></p> <p><i>Squares and Rectangles: Q6 Q7 Q8 Q9</i></p> <p><i>Triangles: Q2 Q3 Q4 Q5 Q6 Q7</i></p> <p><i>Circles: Q5 Q7</i></p> <p><i>Combined Shapes: Q1 Q2</i></p> <p><i>Areas - Summary: Q1 Q2</i></p> <p><i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i></p> <p><i>Triangular Prisms: Q4 Q5</i></p> <p><i>Cylinders: Q2 Q3</i></p> <p><i>Volume - Summary: Q1</i></p> <p><i>Converting Linear Measurement: Q3</i></p> <p><i>Circumference: Q3 Q5</i></p>
<p><i>measure using a rule or tape measure five separate tasks within 1mm accuracy.</i></p>	<p><i>Ruler: Q3 Q4 Q5</i></p> <p><i>Tape Measure: Q1 Q2 Q3</i></p>

RANGE STATEMENTS

Range Statements

Task / Question Map

<p><i>Information includes:</i></p>	<p><i>diagrams or sketches</i></p>	<p><i>Whole Numbers - Adding: Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Whole Numbers - Subtracting: Q2 Q3</i> <i>Whole Numbers - Multiplying: Q1 Q2 Q3 Q4</i> <i>Whole Numbers - Dividing: Q1 Q2 Q4</i> <i>Fractions: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Decimal Numbers: Q2 Q8</i> <i>Percentages: Q1 Q5</i> <i>Calculations - Summary: Q2 Q3 Q4 Q5</i> <i>Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8</i> <i>Ruler: Q3 Q4 Q5</i> <i>Tape Measure: Q1 Q2 Q3</i> <i>Measurement - Summary: Q1</i> <i>Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i> <i>Right Angles Including Pythagoras: Q2 Q3 Q4 Q5 Q6</i> <i>Angles - Summary: Q1 Q2</i> <i>Squares and Rectangles: Q3 Q5 Q6 Q7 Q8 Q9</i> <i>Triangles: Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Circles: Q3 Q4 Q5 Q6 Q7</i> <i>Combined Shapes: Q1 Q2 Q3</i> <i>Areas - Summary: Q1 Q2</i> <i>Measuring Volume: Q2 Q4</i> <i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i> <i>Triangular Prisms: Q1 Q2 Q3 Q4 Q5</i> <i>Cylinders: Q1 Q2 Q3</i> <i>Volume - Summary: Q1</i> <i>What is a Ratio: Q1 Q2 Q3 Q4 Q5</i> <i>Converting Linear Measurement: Q3</i> <i>Perimeter - Squares, Rectangles, Triangles and Rhombus: Q3 Q4 Q5</i> <i>Circumference: Q1 Q2 Q3 Q4 Q5 Q6</i></p>
	<p><i>instructions issued by authorised organisational or external personnel</i></p>	<p><i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i></p>

	<i>manufacturer specifications and instructions</i>	<i>Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6</i>
	<i>maps</i>	
	<i>material safety data sheets (MSDS)</i>	<i>Workplace Task:</i>
	<i>memos</i>	
	<i>organisation's work specifications and requirements</i>	<i>Workplace Task: Plan measuring tasks including communicating and reviewing specifications and drawings</i>
	<i>plans and specifications</i>	<i>Calculations - Summary: Q5 Q6</i> <i>Metric Lengths & Estimation: Q1</i> <i>Right Angles Including Pythagoras: Q6</i> <i>Angles - Summary: Q2</i> <i>Triangles: Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Areas - Summary: Q1 Q2</i> <i>Volume - Summary: Q1</i> <i>Perimeter - Squares, Rectangles, Triangles and Rhombus: Q4 Q5</i> <i>Workplace Task: Plan measuring tasks including communicating and reviewing specifications and drawings</i>
	<i>regulatory and legislative requirements</i>	<i>National Safety Standards: Q1</i> <i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i>
	<i>relevant Australian standards</i>	<i>National Safety Standards: Q1</i> <i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i>
	<i>safe work procedures or equivalent</i>	<i>Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6</i> <i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i>
	<i>signage</i>	

	<i>verbal or written and graphical instructions</i>	<p><i>Whole Numbers - Adding: Q3 Q4 Q5 Q6</i></p> <p><i>Whole Numbers - Subtracting: Q2 Q3</i></p> <p><i>Whole Numbers - Multiplying: Q1 Q2 Q3 Q4</i></p> <p><i>Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8</i></p> <p><i>Angles - Summary: Q1 Q2</i></p> <p><i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Volume - Summary: Q1</i></p> <p><i>Converting Linear Measurement: Q3</i></p> <p><i>Hand Signals and Construction Industry Terminology: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i></p> <p><i>Circumference: Q1 Q2 Q3 Q4 Q5 Q6</i></p> <p><i>Video Response - Identify Faults - Tape Measure: Q1</i></p>
	<i>work bulletins</i>	<i>Whole Numbers - Adding: Q4 Q5</i>
	<i>work schedules.</i>	<p><i>Whole Numbers - Adding: Q6</i></p> <p><i>Workplace Task:</i></p>
<i>Safety (OHS) is to be in accordance with state or territory legislation and regulations, organisational safety policies and procedures, and project safety plan and may include:</i>	<i>clothing and equipment</i>	<i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i>
	<i>handling of materials</i>	<i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i>
	<i>hazard control</i>	<i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i>
	<i>hazardous materials and substances</i>	<i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i>
	<i>organisational first aid</i>	<i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i>
	<i>use of firefighting equipment</i>	<i>Workplace Task: Safety requirements were identified and safety legislation complied with.</i>
	<i>use of tools and equipment</i>	<i>Workplace Task:</i>
	<i>workplace environment and safety.</i>	<i>Workplace Task: Work area cleaned and waste disposed of in accordance to company policy and environmental legislation.</i>

<i>Equipment includes:</i>	<i>calculators and laser equipment</i>	<p><i>Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Tape Measure: Q1 Q2 Q3</i></p> <p><i>Angles - Summary: Q1 Q2</i></p> <p><i>Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i></p> <p><i>Circles: Q3 Q4 Q5 Q6</i></p> <p><i>Combined Shapes: Q1 Q2 Q3</i></p> <p><i>Areas - Summary: Q1 Q2</i></p> <p><i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i></p> <p><i>Cylinders: Q1 Q2 Q3</i></p> <p><i>Volume - Summary: Q1</i></p> <p><i>Safety Interpretation - Laser Measuring Tool: Q1 Q2 Q3 Q4 Q5 Q6</i></p>
	<i>rulers</i>	<i>Ruler: Q1 Q2 Q3 Q4 Q5</i>
	<i>tape measures</i>	<p><i>Tape Measure: Q1 Q2 Q3</i></p> <p><i>Video Response - Identify Faults - Tape Measure: Q1</i></p> <p><i>Workplace Task: Measuring lengths to 1 mm tolerance</i></p>
	<i>trundle wheels.</i>	

<p>Measurements are to:</p>	<p>be in metric scale</p>	<p>Whole Numbers - Adding: Q1 Q2 Q3 Whole Numbers - Multiplying: Q4 Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Fractions: Q2 Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8 Ruler: Q1 Q2 Q3 Q4 Q5 Tape Measure: Q1 Q2 Q3 Measurement - Summary: Q1 Right Angles Including Pythagoras: Q2 Q3 Q4 Q5 Q6 Angles - Summary: Q1 Q2 Squares and Rectangles: Q3 Q5 Q6 Q7 Q8 Q9 Triangles: Q2 Q3 Q4 Q5 Q6 Q7 Circles: Q3 Q4 Q5 Q6 Q7 Combined Shapes: Q1 Q2 Q3 Areas - Summary: Q1 Q2 Measuring Volume: Q2 Q3 Q4 Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Cylinders: Q1 Q2 Q3 Volume - Summary: Q1 Converting Linear Measurement: Q3 Perimeter - Squares, Rectangles, Triangles and Rhombus: Q3 Q4 Q5 Circumference: Q2 Q3 Q4 Q5 Q6</p>
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	<p>cover all necessary calculations.</p>	<p>Whole Numbers - Multiplying: Q1 Q2 Q3 Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Fractions: Q1 Q2 Q3 Q4 Q5 Q6 Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8 Ruler: Q1 Q2 Q3 Q4 Q5 Tape Measure: Q1 Q2 Q3 Measurement - Summary: Q1 Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6 Angles - Summary: Q1 Q2 Squares and Rectangles: Q3 Q5 Q6 Q7 Q8 Q9 Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Combined Shapes: Q1 Q2 Q3 Areas - Summary: Q1 Q2 Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Triangular Prisms: Q1 Q2 Q3 Q4 Q5 Volume - Summary: Q1 What is a Ratio: Q1 Q2 Q3 Q4 Converting Linear Measurement: Q3 Circumference: Q1 Q2 Q3 Q4 Q5 Q6</p>
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<p><i>Areas and volumes include:</i></p>	<p><i>calculating regular and irregular shapes, such as rectangles, squares, circles, triangles, trapeziums, cubes, cones, pyramids and cylinders that represent calculations taken in a construction environment.</i></p>	<p><i>Whole Numbers - Dividing: Q4</i> <i>Calculations - Summary: Q2 Q3 Q4</i> <i>Squares and Rectangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i> <i>Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Circles: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i> <i>Combined Shapes: Q1 Q2 Q3</i> <i>Areas - Summary: Q1 Q2</i> <i>Measuring Volume: Q1 Q2 Q3 Q4</i> <i>Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9</i> <i>Triangular Prisms: Q1 Q2 Q3 Q4 Q5</i> <i>Cylinders: Q1 Q2 Q3</i> <i>Volume - Summary: Q1</i></p>
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<p><i>Calculation factors:</i></p>	<p><i>include length, area, weight, height, width, depth, volume, mass, scales, ratios, perimeters, quantities, numbers, grade, percentages, addition, subtraction, multiplication and division</i></p>	<p><i>Whole Numbers - Adding: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i></p> <p><i>Whole Numbers - Subtracting: Q2 Q3</i></p> <p><i>Whole Numbers - Multiplying: Q1 Q2 Q3 Q4</i></p> <p><i>Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Fractions: Q1 Q2 Q3 Q4 Q5 Q6</i></p> <p><i>Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7</i></p> <p><i>Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Calculations - Summary: Q1 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Metric Lengths & Estimation: Q1 Q2 Q3 Q4 Q5 Q6 Q8</i></p> <p><i>Ruler: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Tape Measure: Q1 Q2 Q3</i></p> <p><i>Measurement - Summary: Q1</i></p> <p><i>Recognising Angles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</i></p> <p><i>Right Angles Including Pythagoras: Q1 Q2 Q3 Q4 Q5 Q6</i></p> <p><i>Angles - Summary: Q1 Q2</i></p> <p><i>Squares and Rectangles: Q5 Q9</i></p> <p><i>Combined Shapes: Q1 Q2 Q3</i></p> <p><i>Areas - Summary: Q1 Q2</i></p> <p><i>Rectangular Prisms: Q6 Q7 Q8 Q9</i></p> <p><i>What is a Ratio: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Rounding: Q1 Q2 Q3 Q4</i></p> <p><i>Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5</i></p> <p><i>Circumference: Q1 Q2 Q3 Q4 Q5 Q6</i></p>
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	<p>are to be performed manually and with the aid of a calculator.</p>	<p>Whole Numbers - Adding: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Whole Numbers - Subtracting: Q2 Q3 Whole Numbers - Multiplying: Q1 Q2 Q3 Q4 Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Fractions: Q1 Q2 Q3 Q4 Q5 Q6 Decimal Numbers: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Calculations - Summary: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Metric Lengths & Estimation: Q1 Right Angles Including Pythagoras: Q2 Q3 Q4 Q5 Q6 Angles - Summary: Q1 Q2 Squares and Rectangles: Q3 Q5 Q6 Q7 Q8 Q9 Triangles: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Circles: Q3 Q4 Q5 Q6 Q7 Combined Shapes: Q1 Q2 Q3 Areas - Summary: Q1 Q2 Rectangular Prisms: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Cylinders: Q1 Q2 Q3 Volume - Summary: Q1 Converting Linear Measurement: Q3 Rounding: Q1 Q2 Q3 Q4 Perimeter - Squares, Rectangles, Triangles and Rhombus: Q1 Q2 Q3 Q4 Q5</p>
<p>Material quantities are to be:</p>	<p>calculated in either packed, bulk, loose or compacted states</p>	<p>Whole Numbers - Subtracting: Q2 Whole Numbers - Multiplying: Q1 Q2 Q3 Q4 Whole Numbers - Dividing: Q1 Q2 Q3 Q4 Q5 Decimal Numbers: Q1 Q5 Q6 Q8 Percentages: Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8</p>
	<p>converted to volumes in the other states.</p>	<p>Rectangular Prisms: Q1 Q2 Q5 Q9 Triangular Prisms: Q4 Q5 Cylinders: Q2 Q3 Volume - Summary: Q1</p>