

SKILLS	GRADE	NUMBER	ALGEBRA	RATIO, PROPORTION & RATE OF CHANGE	GEOMETRY AND MEASURES	PROBABILITY
<p>Grade h</p> <p>To achieve grade h, candidates will be able to:</p> <ul style="list-style-type: none"> <li>recall and use notation, terminology, facts and definitions; perform routine one-step procedures</li> <li>interpret and communicate basic information; make some deductions related to the information</li> <li>solve basic problems (that may or may not be led) by translating simple mathematical and non-mathematical problems into mathematical processes</li> <li>form comments based on methods or results</li> <li>competently complete all lower grade methods as well as most of those listed in the h – i content boxes</li> </ul>	Grades h – i	<ul style="list-style-type: none"> <li>Mentally multiplying and dividing whole numbers by 10 or 100.</li> <li>Solving addition, subtraction, multiplication and division problems involving whole numbers.</li> <li>Understanding, remainders in the context of the calculation, knowing whether to round up or round down as appropriate.</li> <li>Decimals: <ul style="list-style-type: none"> <li>Solving money problems involving: multiplying a decimal with 2 decimal places by a whole number; dividing a decimal with 2 decimal places by a whole number.</li> </ul> </li> <li>Fractions: <ul style="list-style-type: none"> <li>Identifying simple fractions.</li> <li>Calculating simple fractions of quantities. The denominators of the fractions will be restricted to 2, 3, 4, 5 and 10.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Inputs to and outputs from simple function machines.</li> <li>Finding the next term of a simple number pattern and describing how it was found.</li> <li>Plotting points in the first quadrant</li> <li>Finding coordinates of points in the first quadrant.</li> </ul>	<ul style="list-style-type: none"> <li>Percentages: <ul style="list-style-type: none"> <li>Identifying simple percentages.</li> <li>Calculating simple percentages of quantities.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Finding perimeters of simple rectangular shapes and their combinations.</li> <li>Finding, by counting squares, the areas of rectangular shapes.</li> <li>The 12- and 24-hour clocks.</li> <li>Interpreting simple timetables.</li> </ul>	<ul style="list-style-type: none"> <li>Listing outcomes of a random experiment.</li> <li>Estimating probability on a scale (impossible to certain).</li> </ul>
<p>Grade i</p> <p>To achieve grade i, candidates will be able to:</p> <ul style="list-style-type: none"> <li>recall and use common notation, terminology, facts and definitions; perform routine one-step procedures</li> <li>interpret and communicate basic information; make some comments related to the information</li> <li>solve uncomplicated framed problems by translating simple mathematical and non-mathematical problems into mathematical processes</li> <li>form comments based on methods or results</li> <li>competently complete all lower grade methods as well as a selection of those listed in the h – i content boxes</li> </ul>						
<p>Grade j</p> <p>To achieve grade j, candidates will be able to:</p> <ul style="list-style-type: none"> <li>demonstrate a basic knowledge of notation, terminology, facts and definitions;</li> <li>perform routine one-step procedures</li> <li>communicate basic information; make some comments related to the information</li> <li>solve uncomplicated framed problems by translating simple mathematical problems into mathematical processes</li> <li>make comments based on results</li> <li>competently complete all lower grade methods as well as most of those listed in the j – k content boxes</li> </ul>	Grades j – k	<ul style="list-style-type: none"> <li>Reading, writing and ordering any set of whole numbers. Place value.</li> <li>Rounding whole numbers to the nearest 10, 100, 1000.</li> <li>Solving addition, subtraction, multiplication and division problems involving whole numbers.</li> <li>Mental recall of addition and subtraction facts: the addition and subtraction of two numbers with up to 3 digits.</li> <li>Learning and using multiplication facts up to <math>10 \times 10</math> in simple multiplication and division problems.</li> <li>Decimal notation: Place value.</li> <li>Ordering decimals with up to 2 decimal places.</li> <li>Solving simple addition and subtraction problems involving money including the use of decimals.</li> <li>Fractions: <ul style="list-style-type: none"> <li>Identifying simple fractions.</li> <li>Negative numbers in simple practical situations. Ordering negative numbers.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>The use of a symbol to stand for an unknown number.</li> <li>Inputs to and outputs from simple single-function machines.</li> </ul>	<ul style="list-style-type: none"> <li>Fractions: <ul style="list-style-type: none"> <li>Calculating <math>\frac{1}{2}</math> and <math>\frac{1}{4}</math> of a quantity</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Recognising reflective symmetry. Mirror lines.</li> <li>Recognising identical (congruent) triangular and rectangular shapes drawn in different orientations.</li> <li>The use of the terms acute and obtuse to describe angles.</li> <li>Turning through a number of right-angles.</li> <li>Using and understanding compass bearings.</li> <li>Using standard metric units of capacity.</li> <li>Using and reading rulers, tape measures and weighing scales.</li> <li>Standard units of time. Reading of clocks (analogue.)</li> </ul>	<ul style="list-style-type: none"> <li>Using the terms 'will happen', 'could happen', 'will not happen' to describe events.</li> </ul>
<p>Grade k</p> <p>To achieve grade k, candidates will be able to:</p> <ul style="list-style-type: none"> <li>demonstrate the ability to recall basic facts, terminology and definitions</li> <li>identify and write different values</li> <li>recognise values that are not integers</li> <li>perform procedures to deduce quantities</li> <li>communicate basic information accurately</li> <li>competently complete all lower grade methods as well as a selection of those listed in the j – k content boxes</li> </ul>						
<p>Grade l</p> <p>To achieve grade l, candidates will be able to:</p> <ul style="list-style-type: none"> <li>identify and write different values</li> <li>demonstrate the ability to recall some basic facts, terminology and definitions</li> <li>communicate basic information and make simple observations</li> <li>perform simple procedures to deduce quantities</li> <li>competently complete most mathematical methods listed in the l – m content boxes</li> </ul>	Grades l – m	<ul style="list-style-type: none"> <li>The language associated with number: more, fewer, the same, difference and sum.</li> <li>Reading, writing and ordering numbers to at least 1000, and using the knowledge that the position of the digit indicates its value.</li> <li>Solving whole number problems involving addition, subtraction, multiplication and division. Questions will require the use of only one operation.</li> <li>Comparing two numbers to find the difference. e.g. Find the difference between 35 and 27.</li> <li>Mental recall of addition and subtraction facts: the addition of a list of single-digit numbers; the addition and subtraction of two numbers with up to 2 digits.</li> <li>Learning and using multiplication facts up to <math>5 \times 5</math> and all those in the 2, 5 and 10 multiplication tables.</li> <li>Identifying halves and quarters. e.g. Shade one half of a given rectangle, ring a quarter of a given set of objects.</li> <li>Continuing and devising simple repeating patterns. These may be spatial or number patterns.</li> <li>Odd and even numbers.</li> </ul>	<ul style="list-style-type: none"> <li>The use of a symbol to stand for an unknown number. The unknown will appear once only.</li> </ul>		<ul style="list-style-type: none"> <li>Use of everyday language to describe 2-D and 3-D shapes. Using words such as straight, flat, curved, round.</li> <li>Comparison of 2-D or 3-D shapes. Using words such as taller, longer, shorter.</li> <li>Names of common 2-D and 3-D shapes</li> <li>Drawing 2-D shapes and building 3-D shapes and describing their properties.</li> <li>Use of everyday language to describe position. e.g. Words such as inside, above, under, next to, behind, left, right.</li> <li>Angle as a measurement of turn. Giving and understanding instructions for movement along a route.</li> <li>Standard metric units of length and mass.</li> </ul>	
<p>Grade m</p> <p>To achieve grade m, candidates will be able to:</p> <ul style="list-style-type: none"> <li>identify and write different values</li> <li>recognise that numbers represent different quantities</li> <li>communicate basic information</li> <li>use simple key words</li> <li>competently complete a selection of mathematical methods listed in the l – m content boxes</li> </ul>						

SKILLS	GRADE	STATISTICS
<p><b>Grade h</b> To achieve grade h, candidates will be able to:</p> <ul style="list-style-type: none"> <li>recall and use notation, terminology, facts and definitions; perform routine one-step procedures</li> <li>interpret and communicate basic information; make some deductions related to the information</li> <li>solve basic problems (that may or may not be led) by translating simple mathematical and non-mathematical problems into mathematical processes</li> <li>form comments based on methods or results</li> <li>competently complete all lower grade methods as well as most of those listed in the h – i content boxes</li> </ul>	<b>Grades h – i</b>	<ul style="list-style-type: none"> <li>Sorting and classifying a set of data using more than one criterion.</li> <li>Drawing and interpretation of pictograms and vertical line diagrams.</li> </ul>
<p><b>Grade i</b> To achieve grade i, candidates will be able to:</p> <ul style="list-style-type: none"> <li>recall and use common notation, terminology, facts and definitions; perform routine one-step procedures</li> <li>interpret and communicate basic information; make some comments related to the information</li> <li>solve uncomplicated framed problems by translating simple mathematical and non-mathematical problems into mathematical processes</li> <li>form comments based on methods or results</li> <li>competently complete all lower grade methods as well as a selection of those listed in the h – i content boxes</li> </ul>		
<p><b>Grade j</b> To achieve grade j, candidates will be able to:</p> <ul style="list-style-type: none"> <li>demonstrate a basic knowledge of notation, terminology, facts and definitions;</li> <li>perform routine one-step procedures</li> <li>communicate basic information; make some comments related to the information</li> <li>solve uncomplicated framed problems by translating simple mathematical problems into mathematical processes</li> <li>make comments based on results</li> <li>competently complete all lower grade methods as well as most of those listed in the j – k content boxes</li> </ul>	<b>Grades j – k</b>	<ul style="list-style-type: none"> <li>Sorting and classifying a set of objects using two criteria.</li> <li>Sorting and classifying a set of data using one criterion.</li> <li>Drawing and interpretation of bar charts.</li> <li>Interpreting simple line graphs in everyday situations.</li> </ul>
<p><b>Grade k</b> To achieve grade k, candidates will be able to:</p> <ul style="list-style-type: none"> <li>demonstrate the ability to recall basic facts, terminology and definitions</li> <li>identify and write different values</li> <li>recognise values that are not integers</li> <li>perform procedures to deduce quantities</li> <li>communicate basic information accurately</li> <li>competently complete all lower grade methods as well as a selection of those listed in the j – k content boxes</li> </ul>		
<p><b>Grade l</b> To achieve grade l, candidates will be able to:</p> <ul style="list-style-type: none"> <li>identify and write different values</li> <li>demonstrate the ability to recall some basic facts, terminology and definitions</li> <li>communicate basic information and make simple observations</li> <li>perform simple procedures to deduce quantities</li> <li>competently complete most mathematical methods listed in the l – m content boxes</li> </ul>	<b>Grades l – m</b>	<ul style="list-style-type: none"> <li>Sorting and classifying a set of objects using one criterion.</li> <li>Gathering information and recording results in simple tables.</li> <li>Extracting data from tables and lists.</li> <li>Drawing and interpreting block graphs.</li> </ul>
<p><b>Grade m</b> To achieve grade m, candidates will be able to:</p> <ul style="list-style-type: none"> <li>identify and write different values</li> <li>recognise that numbers represent different quantities</li> <li>communicate basic information</li> <li>use simple key words</li> <li>competently complete a selection of mathematical methods listed in the l – m content boxes</li> </ul>		