



# St Aloysius Key Stage 1 and 2 Maths Ready to Progress Assessment Criteria

Name of child:

Year 1 teacher	
Year 2 teacher	
Year 3 teacher	
Year 4 teacher	
Year 5 teacher	
Year 6 teacher	



# St Aloysius Key Stage 1 and 2 Maths Ready to Progress Assessment Criteria

	Main Strands
	Number Place Value (NPV)
	Number Facts (NF)
	Addition and Subtraction (AS)
	Multiplication and Division (MD)
	Fractions (F)
	Geometry (G)
	Other

Year Group	<b>ONLY</b> use this colour to highlight (even if you are highlighting criteria from a previous year)
Year 1	
Year 2	
Year 3	
Year 4	
Year 5	
Year 6	

Strand	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p><b>NPV</b></p> <p><b>Number Place Value</b></p>	<p><b>1NPV -1</b> Count within 100, forwards and backwards, starting with any number.</p>		<p><b>3NPV - 1</b> Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10.</p>	<p><b>4NPV - 1</b> Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100.</p>	<p><b>5NPV - 1</b> Know that 10 tenths are equivalent to 1 one, and that 1 is 10 times the size of 0.1. Know that 100 hundredths are equivalent to 1 one, and that 1 is 100 times the size of 0.01. Know that 10 hundredths are equivalent to 1 tenth, and that 0.1 is 10 times the size of 0.01.</p>	<p><b>6NPV - 1</b> Understand the relationship between powers of 10 from 1 hundredth to 10 million, and use this to make a given number 10, 100, 1,000, 1 tenth, 1 hundredth or 1 thousandth times the size (multiply and divide by 10, 100 and 1,000).</p>
		<p><b>2NPV - 1</b> Recognise the place value of each digit in two-digit numbers, and compose and decompose two-digit numbers using standard and non-standard partitioning.</p>	<p><b>3NPV - 2</b> Recognise the place value of each digit in three-digit numbers, and compose and decompose three-digit numbers using standard and non-standard partitioning.</p>	<p><b>4NPV - 2</b> Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and non-standard partitioning.</p>	<p><b>5NPV - 2</b> Recognise the place value of each digit in numbers with up to 2 decimal places, and compose and decompose numbers with up to 2 decimal places using standard and non-standard partitioning.</p>	<p><b>6NPV - 2</b> Recognise the place value of each digit up to 10 million, including decimal fractions, and compose and decompose numbers up to 10 million using standard and non-standard partitioning.</p>

Strand	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p><b>NPV</b></p> <p><b>Number Place Value</b></p>	<p><b>1NPV -1</b> Reason about the location of numbers to 20 within the linear number system, including comparing using <math>&lt;</math> <math>&gt;</math> and <math>=</math></p>	<p><b>2NPV - 2</b> Reason about the location of any two-digit number in the linear number system, including identifying the previous and next multiple of 10.</p>	<p><b>3NPV - 3</b> Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10.</p>	<p><b>4NPV - 3</b> Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.</p>	<p><b>5NPV - 3</b> - Reason about the location of any number with up to 2 decimal places in the linear number system, including identifying the previous and next multiple of 1 and 0.1 and rounding to the nearest of each.</p>	<p><b>6NPV - 3</b> Reason about the location of any number up to 10 million, including decimal fractions, in the linear number system, and round numbers, as appropriate, including in contexts.</p>
			<p><b>3NPV - 4</b> Divide 100 into 2,4,5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2,4,5 and 10 equal parts.</p>	<p><b>4NPV - 4</b> Divide 1,000 into 2,4,5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2,4,5, and 10 equal parts.</p>	<p><b>5NPV - 4</b> Divide 1 into 2,4,5 and 10 equal parts, and read scales/number lines marked in units of 1 with 2,4,5 and 10 equal parts.</p>	<p><b>6NPV - 4</b> Divide powers of 10, from 1 hundredth to 10 million, into 2,4,5 and 10 equal parts, and read scales/number lines with labelled intervals divided into 2,4,5 &amp; 10 equal parts.</p>
					<p><b>5NPV - 5</b> Convert between units of measure, including using common decimals and fractions.</p>	

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<b>NF</b>  <b>Number Facts</b>	<b>1NF - 1</b> Develop fluency in addition and subtraction facts within 10.	<b>2NF - 1</b> Secure fluency in addition and subtraction facts within 10, through continued practice.	<b>3NF - 1</b> Secure fluency in addition and subtraction facts that bridge 10, through continued practice.			
	<b>1NF - 2</b> Count forwards and backwards in multiples of 2,5, and 10, up to 10 multiples, beginning with any multiple, and count forwards and backwards through the odd numbers.	<b>2NF - 2</b> - Recall multiplication facts and corresponding division facts in the 10, 2 and 5 multiplication tables.	<b>3NF - 2</b> Recall multiplication facts and corresponding division facts in the 10,2,5,3,4, and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.	<b>4NF - 1</b> Recall multiplication and division facts up to 12x12, and recognise products in multiplication tables as multiples of the corresponding number.	<b>5NF - 1</b> Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.	

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<b>NF</b>  <b>Number Facts</b>				<b>4NF - 2</b> Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders, and interpret remainders approximately according to the context.		
			<b>3NF - 3</b> - Apply place value knowledge to known additive & multiplicative number facts (scaling facts by 10).	<b>4NF - 3</b> Apply place value knowledge to known additive & multiplicative number facts (scaling facts by 100).	<b>5NF - 2</b> Apply place value knowledge to known additive & multiplicative number facts (scaling facts by 1 tenth or 1 hundredth).	

Strand	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>AS</b> <b>Addition and Subtraction</b>	<p><b>1AS - 1</b> Compose numbers to 10 from 2 parts, and partition numbers to 10 into parts, including recognising odd and even numbers.</p>	<p><b>2AS - 1</b> Add and subtract across 10.</p>	<p><b>3AS - 1</b> Calculate complements to 100.</p>			<p><b>6AS/MD - 1</b> Understand that 2 numbers can be related additively or multiplicatively, and quantify additive and multiplicative relationships (multiplicative relationships restricted to multiplication by a whole number)</p>
	<p><b>1AS - 2</b> Read, write and interpret equations containing addition (+), subtraction (-) and equals (=) symbol, and relate additive expressions and equations to real-life contexts.</p>	<p><b>2AS - 2</b> Recognise the subtraction structure of 'difference' and answer questions in the form of "How many more...?".</p>	<p><b>3AS - 2</b> Add and subtract up to three-digit numbers using columnar methods.</p>			<p><b>6AS/MD - 2</b> Use a given additive or multiplicative calculation to derive or complete a related calculation, using arithmetic properties, inverse relationships and place-value understanding.</p>

Strand	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>AS</b> <b>Addition and Subtraction</b>		<b>2AS - 3</b> Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract only ones or only tens to/from a two-digit number.	<b>3AS - 3</b> Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction and how both relate to the part-whole structure. Understand and use the commutative property of addition and understand the related property for subtraction.			<b>6AS/MD - 3</b> Solve problems involving ratio relationships.
		<b>2AS - 4</b> Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract and 2 two-digit numbers.				<b>6AS/MD - 4</b> Solve problems with 2 unknowns.

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<b>MD</b> <b>Multiplication and Division</b>		<p><b>2MD - 1</b> Recognise repeated addition contexts, representing them with multiplication equations and calculating the product within the 2, 5 and 10 multiplication tables.</p>	<p><b>3MD - 1</b> Apply known multiplication and division facts to solve contextual problems with different structures, including quotitive and partitive division.</p>	<p><b>4MD - 1</b> Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size.</p>	<p><b>5MD - 1</b> Multiply and divide numbers by 10 and 100; understand this as equivalent to making a number 10 or 100 times the size, or 1 tenth or 1 hundredth times the size.</p>	<p>For Year 6, ready to progress criteria are combined with AS criteria.</p>
		<p><b>2MD - 2</b> Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor, and to division equations (quotitive division)</p>		<p><b>4MD - 2</b> Manipulate multiplication and division equations and understand and apply the commutative property of multiplication.</p>	<p><b>5MD - 2</b> Find factors and multiples of positive whole numbers, including common factors and common multiples and express a given number as a product of 2 or 3 factors</p>	

Strand	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>MD</b> <b>Multiplication and Division</b>				<b>4MD - 3</b> Understand and apply the distributive property of multiplication.	<b>5MD - 3</b> Multiply any whole number with up to 4 digits by any one-digit number using a formal written method.	
					<b>5MD - 4</b> Divide a number with up to 4 digits by a one-digit number using a formal written method and interpret remainders appropriately for the context.	

Strand	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Fractions F			<p><b>3F - 1</b> Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts.</p>			<p><b>6F - 1</b> Recognise when fractions can be simplified and use common factors to simplify fractions.</p>
			<p><b>3F - 2</b> Find unit fractions of quantities using known division facts (multiplication tables and fluency).</p>		<p><b>5F - 1</b> Find non-unit fractions of quantities.</p>	<p><b>6F - 2</b> Express fractions in a common denomination in value and use this to compare fractions that are similar.</p>

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Fractions F			<p><b>3F - 3</b> Reason about the location of any fraction within 1 in the linear number system.</p>	<p><b>4F - 1</b> Reason about the location of mixed numbers in the linear number system.</p>		<p><b>6F - 3</b> Compare fractions with different denominators, including fractions greater than 1, using reasoning and choose between reasoning and common denomination as a comparison strategy.</p>
				<p><b>4F - 2</b> Convert mixed numbers to improper fractions and vice versa.</p>	<p><b>5F - 2</b> Find equivalent fractions and understand they have the same value and same position in the linear number system.</p>	
			<p><b>3F - 4</b> Add and subtract fractions with the same denominator, within 1.</p>	<p><b>4F - 3</b> Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers.</p>	<p><b>5F - 3</b> Recall decimal fraction equivalents for <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{5}</math> and <math>\frac{1}{10}</math> and for multiples of these proper fractions.</p>	

Strand	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<p style="text-align: center;"><b>G</b></p> <p style="writing-mode: vertical-rl; transform: rotate(180deg);"><b>Geometry</b></p>	<p><b>1G - 1</b> Recognise common 2D and 3D shapes presented in different orientations and know that rectangles, triangles, cuboids and pyramids are not always similar to one another.</p>	<p><b>2G - 1</b> Use precise language to describe the properties of 2D and 3D shapes and compare shapes by reasoning about similarities and differences in properties.</p>	<p><b>3G - 1</b> Recognise right angles as a property of shape or a description of a turn and identify right angles in 2D shapes presented in different orientations.</p>		<p><b>5G - 1</b> Compare angles, estimate and measure angles in degrees and draw angles of a given shape.</p>	
					<p><b>5G - 2</b> Compare areas and calculate the area of rectangles (including squares) using standard units.</p>	
	<p><b>1G - 2</b> Compose 2D and 3D shapes from smaller shapes to match an example, including manipulating shapes to place them in particular orientations.</p>		<p><b>3G - 2</b> Draw polygons by joining marked points and identify parallel and perpendicular sides.</p>	<p><b>4G - 1</b> Draw polygons specified by coordinates in the first quadrant and translate within the first quadrant.</p>		<p><b>6G - 1</b> Draw, compose and decompose shapes according to given properties, including dimensions, angles and area and solve related problems.</p>

Strand	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
<b>G</b>  <b>Geometry</b>				<p><b>4G - 2</b> Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal and the angles are equal. Find the perimeter of regular and irregular polygons.</p>		
				<p><b>4G - 3</b> Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry.</p>		