



# Numeracy Assessment Grid - Year 2 Working Towards Standard (WTS) – Evidence of Fluency

Number and Place Value	Evidence			Number: Multiplication and Division	Evidence			Geometry: Position and Direction	Evidence		
Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward				Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot				Order/arrange combinations of mathematical objects in patterns/sequences			
Read and write numbers to at least 100 in numerals and in words				Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers				Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)			
Recognise the place value of each digit in a two-digit number (tens, ones)				Calculate mathematical statements for multiplication using repeated addition and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs				<b>Statistics</b>	<b>Evidence</b>		
Identify, represent and estimate numbers using different representations, including the number line				Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	N/A	N/A	N/A	Compare and sort objects, numbers and common 2-D and 3-D shapes and everyday objects			
Compare and order numbers from 0 up to 100; use <, > and = signs				<b>Number: Fractions</b>	<b>Evidence</b>			Interpret and construct simple pictograms, tally charts, block diagrams and simple tables			
Use place value and number facts to solve problems	N/A	N/A	N/A	Recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity				Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity			
<b>Number: Addition and Subtraction</b>	<b>Evidence</b>			Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$				<b>Measurement</b>	<b>Evidence</b>		
Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot				<b>Geometry: Properties of Shapes</b>	<b>Evidence</b>			Know the number of minutes in an hour and the number of hours in a day			
Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100				Order/arrange combinations of mathematical objects in patterns/sequences				Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	N/A	N/A	N/A
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: - a two-digit number and ones - a two-digit number and tens - two two-digit numbers - adding three one-digit numbers				Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces				Compare and sequence intervals of time			
Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems				Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]				Combine amounts to make a particular value			
Solve problems with addition and subtraction using concrete objects and pictorial representations.	N/A	N/A	N/A					Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity and volume (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels			
								Compare and order lengths, mass, volume/capacity and record the results using >, < and =			
								Recognise and use symbols for pounds (£) and pence (p)			
								Find different combinations of coins that equal the same amounts of money			
								Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times			

When recording evidence, please use the following Key: Numeracy Book (NB), Test (T) or Arithmetic Tracking (AT). A date must accompany the annotation so that evidence can be more easily located e.g. NB 25/2. **Key:** Summer Across more than one term Autumn Spring

# Numeracy Assessment Grid - Year 2 Expected Standard (EXP) – Evidence of Reasoning

Number and Place Value	Evidence			Number: Multiplication and Division	Evidence			Geometry: Position and Direction	Evidence		
Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward				Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot				Order/arrange combinations of mathematical objects in patterns/sequences			
Read and write numbers to at least 100 in numerals and in words				Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers				Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)			
Recognise the place value of each digit in a two-digit number (tens, ones)				Calculate mathematical statements for multiplication using repeated addition and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs				<b>Statistics</b>	Evidence		
Identify, represent and estimate numbers using different representations, including the number line				Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	N/A	N/A	N/A	Compare and sort objects, numbers and common 2-D and 3-D shapes and everyday objects			
Compare and order numbers from 0 up to 100; use <, > and = signs				<b>Number: Fractions</b>	Evidence			Interpret and construct simple pictograms, tally charts, block diagrams and simple tables			
Use place value and number facts to solve problems	N/A	N/A	N/A	Recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity				Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity			
<b>Number: Addition and Subtraction</b>	Evidence			Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$				<b>Measurement</b>	Evidence		
Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot				<b>Geometry: Properties of Shapes</b>	Evidence			Know the number of minutes in an hour and the number of hours in a day			
Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100				Order/arrange combinations of mathematical objects in patterns/sequences				Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	N/A	N/A	N/A
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: - a two-digit number and ones - a two-digit number and tens - two two-digit numbers - adding three one-digit numbers				Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces				Compare and sequence intervals of time			
Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems				Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]				Combine amounts to make a particular value			
Solve problems with addition and subtraction using concrete objects and pictorial representations.	N/A	N/A	N/A					Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity and volume (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels			
								Compare and order lengths, mass, volume/capacity and record the results using >, < and =			
								Recognise and use symbols for pounds (£) and pence (p)			
								Find different combinations of coins that equal the same amounts of money			
								Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times			

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# Numeracy Assessment Grid - Year 2 Greater Depth Standard (GDS) – Evidence of Problem Solving

Number and Place Value	Evidence			Number: Multiplication and Division	Evidence			Geometry: Position and Direction	Evidence		
Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward				Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot				Order/arrange combinations of mathematical objects in patterns/sequences			
Read and write numbers to at least 100 in numerals and in words				Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers				Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)			
Recognise the place value of each digit in a two-digit number (tens, ones)				Calculate mathematical statements for multiplication using repeated addition and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs				<b>Statistics</b>	<b>Evidence</b>		
Identify, represent and estimate numbers using different representations, including the number line				Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts				Compare and sort objects, numbers and common 2-D and 3-D shapes and everyday objects			
Compare and order numbers from 0 up to 100; use <, > and = signs				<b>Number: Fractions</b>	<b>Evidence</b>			Interpret and construct simple pictograms, tally charts, block diagrams and simple tables			
Use place value and number facts to solve problems				Recognise, find, name and write fractions $\frac{1}{3}$ , $\frac{1}{4}$ , $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity				Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity			
<b>Number: Addition and Subtraction</b>	<b>Evidence</b>			Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$				<b>Measurement</b>	<b>Evidence</b>		
Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot				<b>Geometry: Properties of Shapes</b>	<b>Evidence</b>			Know the number of minutes in an hour and the number of hours in a day			
Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100				Order/arrange combinations of mathematical objects in patterns/sequences				Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change			
Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: - a two-digit number and ones - a two-digit number and tens - two two-digit numbers - adding three one-digit numbers				Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces				Compare and sequence intervals of time			
Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems				Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]				Combine amounts to make a particular value			
Solve problems with addition and subtraction using concrete objects and pictorial representations.								Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity and volume (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels			
								Compare and order lengths, mass, volume/capacity and record the results using >, < and =			
								Recognise and use symbols for pounds (£) and pence (p)			
								Find different combinations of coins that equal the same amounts of money			
								Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times			

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Summer

Across more than one term

Autumn

Spring