2	Number System	Addition and Subtraction	Multiplication and Division	Fractions and Decimals
		End of year expectations		

Number System	Addition and Subtraction	Multiplication and Division	Fractions and Decimals
• **I can count in steps of 2, 3 and 5 from 0, and in *tens* from any number forward and backward** • **I can recognise the place value of each digit in a 2-digit number (tens and ones)** • **I can identify, represent and estimate numbers using different representations including number line** • I can compare and order numbers from 0 up to 100; use <, > and = signs • **I can read and write numbers to at least 100 in numerals and in words**	• **I can recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100** • **I can add and subtract numbers using concrete objects, pictorial representations, and mentally, including: A 2-digit number and ones; A 2-digit number and tens; Two 2-digit numbers; Adding three 1-digit numbers** • I can show that addition of two numbers can be done in any order and subtraction of one number cannot • **I can recognize and use the inverse relationship between addition and subtraction and use this to check calculation and solve missing number problems.**	• **I can recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers** • I can calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs • **I can show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot**	• I can recognise, find, name and write fractions 1/3,, ¼,, 2/4 and 3/4 of a length, shape, set of objects or quantity • I can write simple fractions e.g. $1/2$ of 6 = 3 and recognise the equivalence of 2/4 and $1/2$.

Number System	Addition and Subtraction	Multiplication and Division	Fractions and Decimals
2GD	2GD	2GD	2GD

	Number System		Addition and Subtraction		Multiplication and Division		Fractions and Decimals
2.6	• **I can count in steps of 2, 3, 5 and 10 forwards and backwards** • I can count in tens from any given number. • I understand the place value of 2 digit numbers. • **I can partition numbers in different ways. E.g. (23= 20+3: 23=10+13)** • **I can identify, represent and estimate numbers using different representations including number line** • I can use <, > and = signs when comparing and ordering numbers • **I can read and write numbers to at least 100 in words**	2.6	• **I can derive and use related facts up to 100** **I can add and subtract numbers mentally, including:** • **A 2-digit number and ones** • **A 2-digit number and tens** • **Two 2-digit numbers** • **I can recognise the inverse relationship between addition and subtraction and use this to check calculation and solve missing number problems**. • I can use estimation to check calculation answers.	2.6	• **I can recall and use multiplication and division facts for the 2, 5 and 10 times tables,** • I can recognise odd and even numbers • I can record my work in a written form using mathematical symbols (see above) • **I can show that multiplication of two numbers can be done in any order and division of one number by another cannot**	2.6	• **I can recognise, find, name and write fractions 1/3, ¼, 2/4 and 3/4 of a set of objects or quantity** • **I can recognise the equivalence of 2/4 and $1/2$.** • I can find and compare fractions of amounts
2.5		2.5		2.5		2.5	
2.4		2.4		2.4		2.4	
2.3	• **I can count in steps of 2, 5 and 10 forwards and backwards** • I can recognise the value of the tens digit in multiples of 10 • **I can partition numbers into tens and ones using a number sentence** • **I am beginning to estimate** • I can compare numbers from 0 to 100 using mathematical language • **I can read and write numbers to at least 100**	2.3	• **I can recall and use addition and subtraction facts to 20 fluently** **I can add and subtract numbers using pictorial representations, including:** • **A 2-digit number and ones** • **I can recognize the inverse relationship between addition and subtraction and use this to check calculations.** • I can begin to solve missing number problems.	2.3	• **I can recall and use multiplication and division facts for the 10 and 5 times tables**	2.3	• **I can recognise, find, name and write fractions 1/3, ¼, 2/4 and 3/4 of a length** • **I can write simple fractions e.g. $1/2$ of 6 = 3**
2.2		2.2		2.2		2.2	
2.1	• **I can count in steps of 2, 5 and 10 forwards.** • I can recognise the value of 1-digit number as a unit value • **I can partition numbers into tens and ones using practical apparatus** • I can order numbers from 0 to 100 • **I can read and write numbers to 50 in words**	2.1	• **I am beginning to recall and use addition and subtraction facts to 20** **I can add and subtract numbers using concrete objects, including:** • **Adding three 1-digit numbers** • **I can show that addition of two numbers can be done in any order and subtraction of one number cannot**	2.1	• **I am beginning to recall and use multiplication and division facts for the 10 times tables**	2.1	• **I can recognise, find, name and write fractions 1/3, ¼, 2/4 and 3/4 of a shape** • **I am beginning to write simple fractions e.g. $1/2$ of 6 = 3**

2	Measures		Statistics	Position and Direction	Properties of Shapes
	End of year expectations				

End of year expectations

Measures
- **I can choose and use appropriate standard units to estimate and measure** length/height in any direction (m/cm); mass (kg/g);temperature (C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
- I can compare and order lengths, mass, volume/capacity and record the results using <, > and =
- **I can recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value**
- I can find different combinations of coins that equal the same amounts of money
- **I can calculate change**

(second sub-column)
- I can compare and sequence intervals of time
- **I can 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.**
- I know the number of minutes in an hour and the number of hours in a day

Statistics
- I can interpret and construct simple pictograms, tally charts, block diagrams and simple tables
- I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
- I can ask and answer questions about totalling and comparing categorical data

Position and Direction
- I can order and arrange combinations of mathematical objects in patterns
- I can use mathematical vocabulary to describe position, direction and movement including distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise), and movement in a straight line

Properties of Shapes
- **I can identify and describe the properties of 2-D shapes, including the number of sides and symmetry in a vertical line**
- **I can identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces**
- I can identify 2-D shapes on the surface of 3-D shapes, for example a circle on a cylinder and a triangle on a pyramid
- I can compare and sort common 2D and 3D shapes in everyday objects.

2.7 Greater Depth	2.7 Greater Depth	2.7 Greater Depth	2.7 Greater Depth	2.7 Greater Depth

2.6 / 2.5 (Measures)
- **I can measure to the nearest appropriate unit** using rulers, scales, thermometers and measuring vessels
- I can record my results using <,> and =
- I can read scales in divisions of ones, twos, fives and tens in practical situations.
- **I can combine amounts to make a particular value**
- **I can find combinations of coins that equal the same amounts of money**
- **I can add/ subtract using money including calculating change**

2.6 / 2.5 (second sub-column)
- **I can tell the time in 5 minute intervals and draw the hands on a clock to show these times**
- I know the amount of hours in a day

2.6 / 2.5 (Statistics)
- I can collect data and record it in a simple pictogram or block diagram
- I can draw simple conclusions about the data that I have collected
- I can make comparisons about the data I have collected
- I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity

2.6 / 2.5 (Position and Direction)
- I can order and arrange combinations of mathematical objects
- I can use mathematical vocabulary in terms of right angles for quarter, half and three-quarter turns (clockwise)

2.6 / 2.5 (Properties of Shapes)
- **I can recognise symmetry in 2-D shapes**
- **I can recognise the number of edges, vertices and faces in 3-D shapes**
- I can recognise 2-D shapes on the surface of 3-D shapes

2.4	2.4	2.4	2.4	2.4

2.4 / 2.3 (Measures)
- **I am beginning to measure length/ height in any direction (m/cm); mass (kg/g);temperature (C); capacity (litres/ml)**
- I can order lengths, mass, volume/capacity
- **I can recognise and use the symbols for pounds (£) and pence (p)**
- **I can add/ subtract using money**

2.4 / 2.3 (second sub-column)
- **I can compare and sequence different times**
- **I can draw the hands on a clock to show quarter hours**
- I know the amount of minutes in an hour

2.4 / 2.3 (Statistics)
- I can collect data and record it in a simple list or tally chart
- I can answer questions about the data I have collected
- I am beginning to compare the data
- I can accurately total each category

2.4 / 2.3 (Position and Direction)
- I can use mathematical vocabulary to describe direction and movement including distinguishing between rotation as a turn

2.4 / 2.3 (Properties of Shapes)
- **I can describe the properties of 2-D shapes including the number of sides**
- **I can describe the properties of 3-D shapes**
- I can compare 2D and 3D shapes.

2.2	2.2	2.2	2.2	2.2

2.2 / 2.1 (Measures)
- Using standard units I can estimate length/ height in any direction (m/cm); mass (kg/g);temperature (C); capacity (litres/ml)
- I can compare lengths, mass, volume/capacity
- **I am beginning to recognise and use the symbols for pounds (£) and pence (p)**
- **I am beginning to add/ subtract using money**

2.2 / 2.1 (second sub-column)
- I can compare different times
- **I am beginning to know quarter past/to the hour**
- I am beginning to recognise minutes

2.2 / 2.1 (Statistics)
- I can begin to collect data for myself
- I can discuss the data I have collected

2.2 / 2.1 (Position and Direction)
- I can use mathematical vocabulary to describe position

2.2 / 2.1 (Properties of Shapes)
- **I can recognise the number of edges, vertices and faces in 3-D shapes**
- **I can recognise 2-D shapes on the surface of 3-D shapes**
- I can sort 2D and 3D shapes in everyday objects.