



Yellow Emerging	Yellow Expected	Yellow Greater Depth	
Number, Place Value and rounding			
To count in steps of 50 and 100. Find 10 more than a given number.	I can count in multiples of 8.	Count from 0 in multiples of 6, 25 and 1000	
Recognise and name numbers to at least 1000.	Find 100 more or less than a given number. Read and write (Inc. Spelling correctly) numbers to at least 1000 in numerals and	Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, ones)	
Compare numbers to 1000.	words.	Compare and order numbers beyond 1000	
I understand hundreds, tens and units.	I can compare and order numbers to 1000.	Identify, represent and estimate numbers	
I am beginning to solve number problems and practical problems involving the above skills.	I can recognise the place value of each digit in a 3 digit number. I can solve problems demonstrating a sound understanding of the above skills.	beyond 1000 using different representations Read and write numbers beyond up to 10,000 in numerals and in words Solve number problems and practical problems involving the ideas above	
I can count in multiples of 4. Find 10 less than a given number.			
I am beginning to recognise the place value of each digit in a 3 digit number.			





Addition and Subtraction

I can mentally add and subtract a 1 digit number to a 3 digit number.

I can mentally add and subtract a multiple of ten to a 3 digit number.

I can add and subtract 2 digit numbers using the column method.

I am beginning to add and subtract 3 digit numbers using the column method (not stealing the tens).

I am beginning to make sensible estimates for my calculations.

I am beginning to apply my knowledge of the above skills to solve problems. I can mentally add and subtract a multiple of 100 to a 3 digit number.

I can add and subtract 3 digit numbers using the column method.

I can use the inverse operations to check answers to calculations. (e.g. 734 – 252 = 482 because 482+252= 734).

I can apply my knowledge of the above skills to solve more complex problems, including finding missing numbers. I can continue to practise both mental methods for addition and subtraction with increasingly large numbers.

I can continue to practise both mental methods for addition and subtraction with increasingly large numbers.

Use inverse operations to check answers to a calculation with numbers up to 4 digits.

Begin to solve addition and subtraction twostep problems in contexts, deciding which operations and methods to use and why.





To recall and use the multiplication and division facts for the 3 times table. (E.g. 4x3=12 and $12\div3=4$).

To recall and use the multiplication and division facts for the 4 times table. (E.g. 6x4=24 and $24\div6=4$).

I am beginning to use the grid method to multiply a 2 digit number by 2, 3, 5 or 10.

I can use a number line to divide a 2 digit number by 2, 3, 5 or 10.

I am beginning to use the bus shelter method to divide a 2 digit number by 2, 3, 4, 5 or 10.

Solve problems involving multiplication and division.

To recall and use the multiplication and division facts for the 8 times table. (E.g. 4x8=32 and $32\div8=4$).

I confidently use the grid method to multiply a 2 digit number by 2, 3, 4, 5, 8 or 10.

I can use the bus shelter method to divide a 2 digit number by 2, 3, 4, 5, 8 or 10.

Solve problems involving multiplication, division, missing numbers and scaling.

Recall and use multiplication and division facts for the 3, 4, 6 and 8, 9 and 11 multiplication tables.

Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and formal written methods.

Confidently solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.

Fractions, decimals and percentages

Understand when dividing into ten equal parts the answer will be in tenths. (E.g. $60 \div 10 = 6 \text{ so } 1/10 \text{ of } 60 \text{ is } 6.$)

I can order and compare fractions with the same denominators.

I can count up in tenths to find fractions of numbers. (E.g. What is 3/10 of 60? $60 \div 10 = 6$. Then 3x6 = 18 so 3/10 of 60 is 18. Remember divide by the bottom number, times by the top.)

I can count down in tenths to find fractions of numbers.

I can recognise, find and write fractions of numbers and shapes.

I understand and can show equivalent fractions with small denominators. (E.g. 2/3 is equal to 4/6.)

I can solve problems involving fractions.

Count up in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten and use these in a growing variety of problems.

Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with larger denominators and use these in a growing variety of problems.

Recognise and use fractions as numbers: unit fractions and non-unit fractions with larger denominators and use these in a growing variety of problems.

Recognise and show, using diagrams, families of





I am beginning to recognise, find and write fractions of numbers and shapes.

I can add and subtract fractions with the same denominator within one whole. (e.g. 5/7+1/7=6/7)

equivalent fractions and use these in a growing variety of problems.

Add fractions with the same denominator beyond one whole and use these in a growing variety of problems.

Begin to recognise there is equivalence between fractions and decimals.

Solve problems that involve all of the above.

Measurement

I can accurately measure length, (m, cm, mm), mass (kg, g) and volume/capacity (l, ml).

I can compare and add measurements of length, mass and volume.

I am beginning to measure the perimeter of 2D shapes.

I can add amounts of money.

I can subtract amounts of money.

Know the number of seconds in a minute and the number of days in each month, year and leap year.

I am beginning to tell the time to the minute on an analogue clock. (e.g. "It's seventeen minutes past three.").

Compare durations of events, for example to calculate time taken by particular events or tasks.

I can subtract measurements of length, mass and volume.

I can measure the perimeter of 2D shapes.

I can add and subtract amounts of money to give change using ${\bf E}$ and ${\bf p}$ in practical contexts.

I am beginning to tell the time on a 12 hour digital clock.

Estimate and read time with increasingly accuracy to the nearest minute.

Record and compare time in terms of seconds, minutes and hours.

To tell and write the time on an analogue clock, including using roman numerals from I to XII. I am beginning to tell and write the time on a digital clock.

I can measure and compare, selecting the appropriate tools and units; add and subtract using mixed units and equivalence of units e.g. 75cm and $\frac{1}{2}$ m.

I can measure and calculate the perimeter of simple 2- D shapes accurately.

I can add and subtract amounts of money including mixed units and give change in manageable amounts.

I can confidently apply knowledge of time, including using Roman numerals, 12-hour and 24-hour, to a wide range of practical contexts; convert between 12-hour and 24-hour clocks.

Estimate and read time with accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and days;

Confidently use vocabulary such as a.m. / p.m., morning, afternoon, noon and midnight.

Know and apply knowledge of the number of seconds in a minute and the number of days in each month, year and leap year to a wide range of applications.

Confidently compare durations of events given in a range of formats.





	Geometry: Properties of Shapes		
I can draw 2D shapes.	I can recognise 3D shapes in different orientations and describe them.	Describe, with appropriate vocabulary, the properties of 2- D and 3-D shapes, when	
I recognise that angles are a property of		presented in a range of formats, using my	
shape or a description of a turn.	I am able to identify if angles are greater than or less than a right angles.	knowledge of lengths and angles.	
I can make 3D shapes using modelling		Recognise that angles are a property of	
materials.	I can identify pairs of perpendicular and parallel lines.	shape or a description of a turn and can be measured in degrees or as a fraction both	
I can identify right angles and recognise that two right angles make a half-turn, 3		clockwise and anticlockwise.	
make three quarters and 4 a complete turn.			
make three quarters and 4 a complete tarts.		Demonstrate secure understanding that two right angles = 180° = $\frac{1}{2}$ turn and three right	
I can identify horizontal and vertical lines.		angles = $270^\circ = \frac{3}{4}$ turn.	
		Classify angles according to their size	
		Classify angles according to their size.	
		Apply knowledge of horizontal, vertical,	
		parallel and perpendicular lines to shape	
		using correct mathematical vocabulary.	
Statistics			
Interpret data from bar charts, pictograms	I can present data using bar charts,	Interpret and compare data presented in	
and tables.	pictograms and tables.	different formats, deriving simple conclusions.	
I can solve one-step questions using	I can solve two-step questions using		
information presented in scaled bar charts,	information presented in scaled bar charts,	Solve increasingly complex multi-step	
pictograms and tables.	pictograms and tables.	questions deriving information from a range	
		of charts and justify my solutions.	
I am beginning to solve two-step questions			
using information presented in scaled bar			
charts, pictograms and tables.			