Big Maths Medium Term Plan Year 4 Term 3

CLIC Term 3

Counting

Saying Numbers		Completed
Reading Numbers		6. I can read 3d numbers
Count Along in 4 Ways	NEW	5. Tenths / Fifths / Halves / Quarters I 1/5s
Counting Along Scales		4. I can even count along when there are no lines

Learn Its

Learn Its	NEW	15. x: 12x table

It's Nothing New

Swapping the Units		Completed
INN: Addition and Subtraction	NEW	4. I can add tenths
Doubling with Pim (without crossing 10)		Completed
Doubling with Pim (with crossing 10)		Completed
Halving with Pim	NEW	5. I can halve any 2d number
	NEW	6. I can halve any 3d number
INN: Number Bonds to 10		4. I can find the missing piece to 1000
Multiplying by 10		2. I can multiply whole numbers by 100
Dividing by 10		2. I can divide whole numbers by 10 or 100 giving decimal answers
INN: Multiplication		3. I can write Smile Multiplication Fact Families

Coin Multiplication		4. I know when to add 2 multiples together
INN: Finding Multiples	NEW	3. I can find Mully using Smile Multiplication
Multiple-Factor-Prime	NEW	1. I can find multiples
	NEW	2. I can find factors
INN: Fact Families		Completed

Calculation

Addition	NEW	30. I can solve 3d + 3d as money
	NEW	31. I can solve any 3d + 3d as money
Subtraction	NEW	30. I can solve 3d - 2d
Multiplication		14. I can solve any 1d x 2d
Division	NEW	20. I can use a Tables Fact to find a division fact (x6, 7, 8, 9)
	NEW	21. I can use a Tables Fact to find a division fact (with remainders) (x6, 7, 8, 9)
	NEW	22. I can combine 2 or more Tables Facts to solve division (x6, 7, 8, 9)
	NEW	23. I can combine 2 or more Tables Facts to solve division (with remainders) (x6, 7, 8, 9)

Column Methods

Addition - Column Methods	NEW	8. I can solve any 4d + 4d
Subtraction - Column Methods	NEW	7. I can solve any 4d - 4d
Multiplication - Column Methods	NEW	3. I can solve any 3d x 1d
Division - Column Methods	NEW	3. I can solve 2d ÷ 1d (using any table) with no remainders in the answer
	NEW	4. I can solve a 3d ÷ 1d (using any table) with no remainders in the answer
	NEW	5. I can solve a 4d ÷ 1d (using any table) with no remainders in the answer

SAFE Term 3

Shape

Explore and Draw	NEW	21. I can recognise a line of symmetry even when it does not dissect the shape
	NEW	22. I can draw lines to the nearest millimetre
2D Shapes	NEW	23. I can sort polygons by side number and identify specific triangles and quadrilaterals
3D Shapes		19. I can make 3D shapes
Position and Direction	NEW	21. I can draw a simple 2D shape from given coordinates
	NEW	22. I can describe the pattern of coordinates
	NEW	23. I can move a point horizontally by a specified distance
	NEW	24. I can move a point vertically by a specified distance
	NEW	25. I can move a point horizontally and vertically

Amounts

Amounts of Distance	NEW	23. I can measure and record distances to the nearest millimetre
	NEW	24. I can express perimeter through algebra
Amounts of Mass		16. I can convert kilograms to grams
Amounts of Money		15. I can use decimal notation for money

Amounts of Space	NEW	19. I can measure and record capacities to the nearest 100ml, and convert to litres
	NEW	20. I can convert litres to millilitres
Amounts of Temperature		11. I can understand and use degrees Celsius
Amounts of Time	NEW	25. I can calculate time gaps within an hour (5 min)
	NEW	26. I can calculate time gaps across an hour (5 min)
	NEW	27. I can calculate time gaps across several hours (5 min)
Amounts of Time: Telling the Time	NEW	17. I can read Roman numerals to 100
Amounts of Turn	NEW	16. I can use my angle knowledge to help sort polygons (triangles, quadrilaterals and regular/irregular)

Fractions

Fractions of a Whole	NEW	17. I can show a variety of equivalent fractions
Fractions of a Set		Starts in a later term
	NEW	11. I can reword my multiplication and division success as fractions (in context)
	NEW	12. I can use all tables Learn Its to find fractions of amounts
Fractions: Counting	NEW	13. I can count in fifths
	NEW	14. I can count in fractions of any denominator
	NEW	15. I can count in hundredths
	NEW	16. I can record my hundredths with decimals too
Fractions: Learn Its	NEW	7. I know 1/2 = 0.5, 1/10 = 0.1, 1/4 = 0.25, 3/4 = 0.75, 1/100 = 0.01
Fractions: It's Nothing New	NEW	7. I can multiply unit fractions (beyond 1)
Fractions: Calculation		5. I can simplify fractions using my tables
Percentages		Starts in a later term
Ratio	NEW	4. I can investigate increasing shapes by a given proportion

Explaining Data

Diagrams and Tables	NEW	24. I can explain data from a wide variety of representations
Bar Charts		11. I can draw a bar chart with continuous data
Averages		Starts in a later term
Line Graphs		3. I can explain a range of simple line graphs
Pie Charts		Starts in a later term
Probability		Starts in a later term

Dangerous Maths

Pattern Spotting		9. I can spot and extend more challenging patterns of shapes
Algebra	NEW	5. I can describe the function and use a given output to find an input
	NEW	6. I can describe algebraically how to always find the perimeter of a rectangle
	NEW	7. I can choose my own symbol to represent an unknown number
	NEW	8. I can use multi step function machines
Prove It!	NEW	4. I can Prove It! - 4