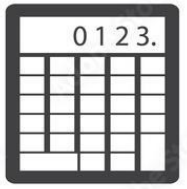
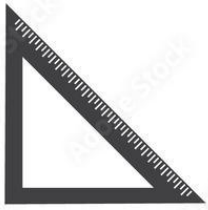
ACOMB PRIMARY SCHOOL

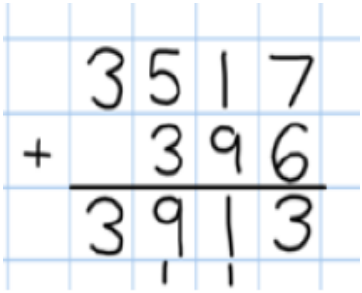




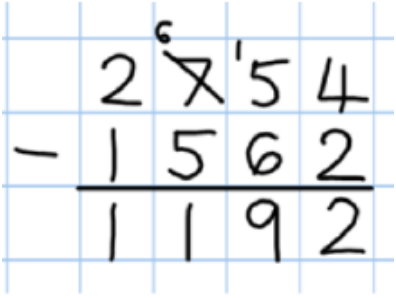
MATHS – YEAR 6

Maths in Year 6:

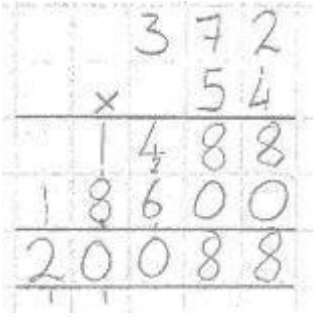
Addition:



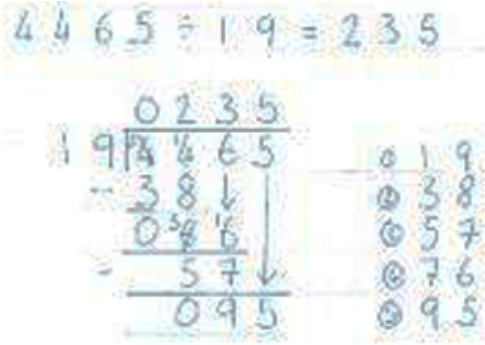
Subtraction:



Multiplication:



Division:



Useful website links:

- Times Table Rock Stars: https://ttrockstars.com/
- Mathsframe: https://mathsframe.co.uk/
- Prodigy maths: https://www.prodigygame.com/main-en/
- MyMaths: https://www.mymaths.co.uk/

Objectives to support at home:

Measurement and shape:

- Discuss with the children the number of days in the months, days in a year and days in a leap year.
- Solve problems involving the calculation and conversion of units of measure e.g. 'How many metres are in 4.5km', '1 mile = 1.6km'.
- Draw 2-D shapes using given dimensions and angles.
- Recognise, describe and build simple 3-D shapes, including making nets.

Fractions, decimals and percentages:

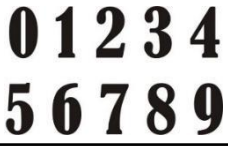
- Identify the value of each digit in numbers given to 3 decimal places and multiply and divide numbers by 10, 100 and 1,000 giving answers up to 3 decimal places.
- Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts e.g. '0.25 = 25%, 0.5 = 50%, 3/6 = 0.6 or 60%, 9/10 = 90%'.

Calculations:

- Solve problems that require answers to be rounded to specified degrees of accuracy e.g. 'Round 32,145 + 22,342 to the nearest 10,000 to estimate'.
- Identify common factors, common multiples and prime numbers.
- Solve problems involving addition, subtraction, multiplication and division.
- Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.
- Recognise and use square numbers and cube numbers, and the notation for squared (^{2}) and cubed (^{3}).

Number and place value:

- Identify the parts in each number e.g. '3241 is made of up a 3000, a 200, a 40 and a 1'.
- Read, write, order and compare numbers up to 10,000,000 and determine the value of each digit.
- Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals.



Timetable of learning:

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	Week 12
Autumn	Number: Place Value		Number: Addition, Subtraction, Multiplication and Division					Number: Fractions				Geometry: Position and Direction
Spring	Number: Decimals		Number: Percentages		Number: Algebra		Measurement: Converting Units	Measurement: Perimeter, Area and Volume		Number: Ratio		Consolidation
Summer	Statistics		Geometry: Properties of Shape				Consolidation and themed projects					

The above is a guide to the learning for the year. This may change during the year as the children cover in more depth or accelerate their learning.