

PROGRESSION IN CALCULATION



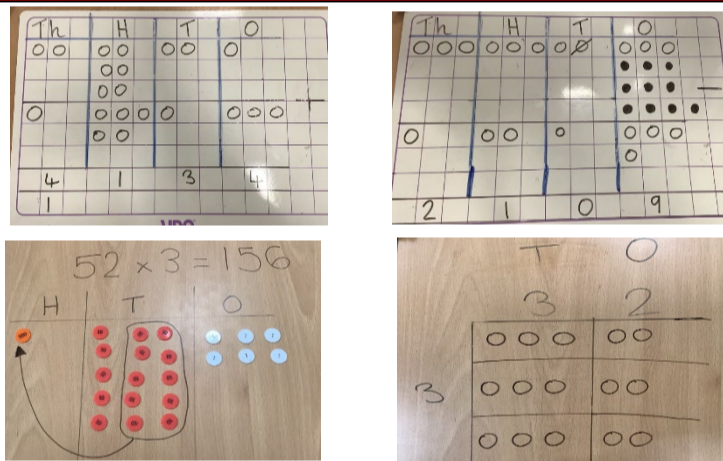
	Year 3	Year 4	Year 5
Addition	Column method – regrouping/renaming (up to 3 digits)	Column method - regrouping. (up to 4 digits)	Column method - regrouping. (with more than 4 digits) (Decimals- with the same number of decimal places)
Subtraction	Column method with regrouping (up to 3 digits)	Column method with regrouping (up to 4 digits)	Column method - regrouping. (with more than 4 digits) (Decimals- with the same number of decimal places)
Multiplication	Counting in multiples Repeated addition Arrays-showing commutative multiplication Grid method	Column multiplication (2 and 3 digit multiplied by 1 digit)	Column multiplication (up to 4 digit numbers multiplied by 1 or 2 digits)
Division	Division within arrays Division with a remainder Short division (2 digits by 1 digit (concrete and pictorial))	Division within arrays Division with a remainder Short division (up to 3 digits by 1 digit- concrete and pictorial)	Short division (up to 4 digits by a 1 digit number interpret remainders appropriately for the context)

YEAR 4 CONCRETE RESOURCES

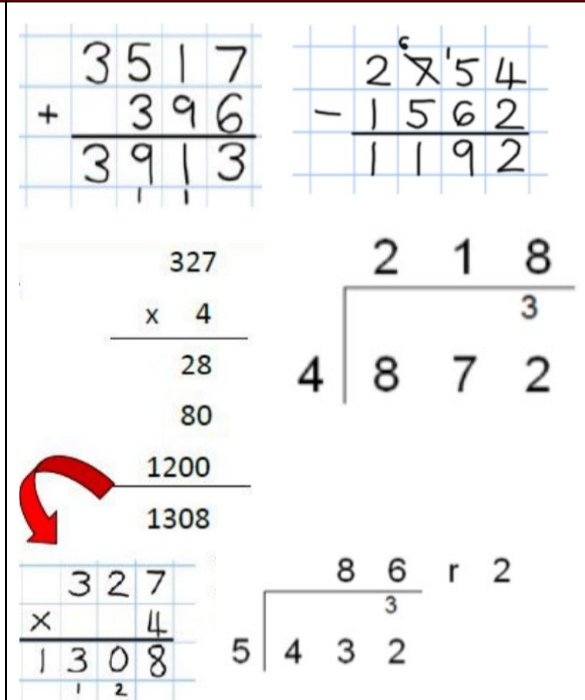
Base 10
Dienes
Numicon
Place Value Counters
Place Value Cards
Counting stick

YEAR 4 PICTORIAL REPRESENTATIONS

Part whole model
Picture objects
Bar model
Numberline
Place value grid



YEAR 4 ABSTRACT CALCULATION REPRESENTATIONS



PUPILS WITH SEND

For pupils who are working significantly below age-related expectations, Sandwell Testing is used. This assesses the child's mathematical age and identifies key concepts which the child is not secure in. These key concepts are then identified on a child's Individual Education Plan and provision is put in place for the child to access the wave 3 intervention required.

CELEBRATING SUCCESS

- Weekly Maths Star of the Week is nominated by the class teacher and awarded by the class Maths Ambassador
- Maths Star of the Week is awarded a certificate and the maths bag of activities to take home and share with their family for one week.
- There is a weekly award for the Year 4 highest earner on Times Table Rockstars.
- An opportunity to win the 'You Rock' trophy for the highest earning class on Times Table Rockstars each week.
- Y4 Maths Ambassador
- Y4 Parent/Pupil Maths Workshop in Spring term.

HOME LEARNING & EXTRA-CURRICULAR OPPORTUNITIES

- Low stakes home learning is set weekly. Pupils are provided with a fundamental number facts-based activity, which links to Mastering Number/the Fluency Ladder and encourages them to practise their fluency skills or number concepts.
- Pupils are expected to complete 15 minutes per day times table practice on either a paper document provided or the TTRS app.
- Key Instant Recall Facts are shared with parents in order for them to support their children with learning these facts at home.
- Y4 Mathmagician Club every Wednesday.