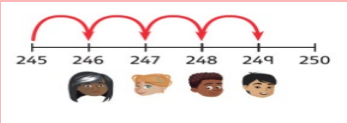
Year 3 Addition and Subtraction Knowledge

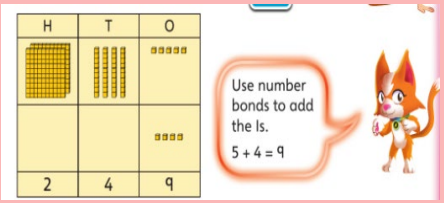
Star Vocabulary

Plus +	When you add two or more amounts together.
Subtract	Any of the numerals from 0 to 9
Altogether +	capable of producing desired results with little or no waste
Fact Family	A collection of related addition and subtraction facts involving the same numbers
Number Sentence	sentence written in numerals, using mathematical symbols
Equals =	The total amount
Estimate	Roughly calculate
Mental method	Work out in your head

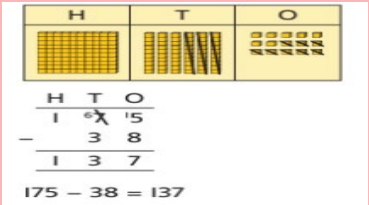
Recall and use addition and subtraction facts to 20 fluently and derive and use related facts

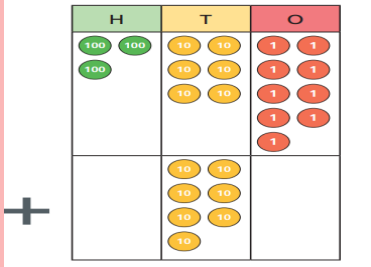
Addition and subtraction- using mental and written method to solve problems.





Using idea of place value to do written method addition and subtraction..





Sentence Stems

There are _____ altogether/ in total.

When I add an amount the total is _____.

When I subtract you start with the _____ number.

The whole is _____therefore the parts are_____and _____.

Misconceptions:

I always have to start at 0 when adding and subtracting using a number line.
I count forward when adding
I count backward when subtracting

Factual & Conceptual Fluency progression

- Addition and subtraction within 10.
- Addition and subtraction across 10.
- Secure and maintain fluency in addition and subtraction within and across 10, through continued practice.
- Recall the 10 and 5 multiplication tables, and corresponding division facts.
- Recall the 2, 4 and 8 multiplication tables, and corresponding division facts.
- Recall the 3, 6 and 9 multiplication tables, and corresponding division facts.
- Recall the 11 and 12 multiplication tables, and corresponding division facts.
- Recall the 7-multiplication table, and corresponding division facts.
- Secure and maintain fluency in all multiplication tables, and corresponding division facts, through continued practice.