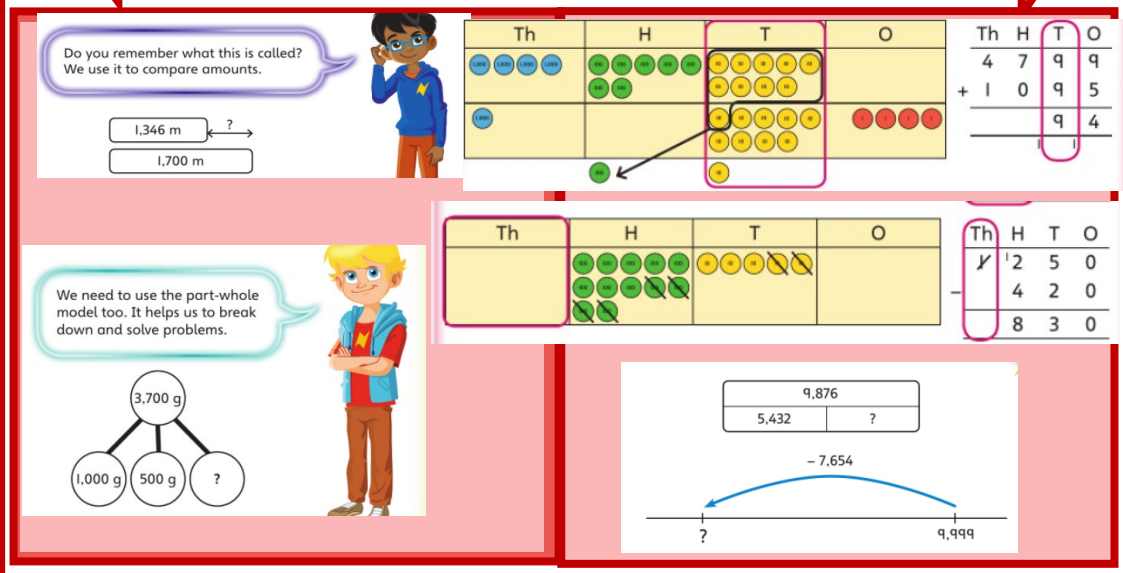
Year 4 Additon and Subtraction Knowledge Organiser

Star Vocabulary

Total	The whole amount of something
Addition: 8 + 3 = 11 (Addend, Addend, Sum)	
8 - 3 = 5 (Minuend, Subtrahend, Difference) Minuend − Subtrahend = Difference	
Difference	The result of subtracting one number from another
Estimate	A judgment of worth
Efficient	capable of producing desired results with little or no waste
Inverse	Opposite/reverse
Strategy	A specific course of action

Add and subtract whole numbers less than 4 digits, including using formal written

Add and subtract whole numbers with more than 4 digits, including using formal written methods.



Factual & Conceptual Fluency progression

Sentence Stems

There are _____ones/tens/hundreds altogether.

Because there are more than _____tens, I will exchange the _____ to _____.

The whole is _____therefore the parts are_____and _____.

Misconceptions:

- Dexter says, "Aligning the column correctly is not important"
- 3,423 + 100 = 4,423.

34 − 25 = 10	34 − 25 = 11

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 7-multiplication table, and corresponding division facts.

Recall the 11 and 12 multiplication tables, and corresponding division facts.

Secure and maintain fluency in all multiplication tables, and corresponding division facts, through continued practice.