Knowledge Organiser
Number

Year 5	Addition and Subtraction

We can now use our knowledge of column addition and subtraction and apply it to numbers with decimals. This is really useful when we add and subtract amounts of money.

Builds from Year 4:	This year:	Leads to Year 6:
Add and subtract numbers with up to 4 digits. Estimate and use the inverse to check. Two-step problems involving addition and subtraction.	Use column addition and subtraction with decimals. Multi-step problems involving addition and subtraction. Mental strategies for addition and subtraction.	Solve multi-step problems in context, deciding which operations and methods to use and why.

Addition and Subtraction Methods

Addition

49.365 + 7.2

1 Line up the decimal points
2 Put zeros in the empty places
3 Add in columns
4 Drag down the decimal point

$$49.365 + 7.200 = 56.565$$

Subtraction

54.132 - 6.8

1 Line up the decimal points
2 Put zeros in the empty places
3 Subtract in columns
4 Drag down the decimal point

$$54.132 - 6.800 = 47.332$$

Multi-Step Problems

£20		
£3.75	£8.49	?
£12.24		£7.76

£20 is used to buy 2 books costing £3.75 and £8.49.

How much change is given?

£3.75 + £8.49 = £12.24
£20.00 - £12.24 = £7.76

Mental Maths Strategies

348 + 199 =

Adding and subtracting multiples close to 10.

312 - 198 = 114

Key Vocabulary

column addition column subtraction add total make plus sum more altogether subtract less minus difference take away inverse operation exchange place value estimate multi-step problems