MENTAL METHOD

Key learning: partition and combine multiples of thousands, hundreds, tens and ones to add



Partitioning numbers to add is a core strategy for adding mentally

MENTAL METHOD

Key learning: recall and use addition and subtraction facts to 1 (up to 2 decimal places)

<u>RAPID RECALL</u>: in Year 6 you are expected to know automatically number bonds to 1 up to 2 decimal places . Here are some examples:

0.67 + 0.33 = 1 0.54 + 0.46 = 1 0.35 + 0.65 = 1 0.32 + 0.68 = 1 0.31 + 0.59 = 1

Have you noticed its all about number bonds to 10 and 100!

MENTAL METHOD

Key learning: partition and combine multiples of thousands, hundreds, tens and ones to subtract

Partitioning numbers to subtract is a core strategy for adding mentally



MENTAL METHOD

<u>Key learning:</u> Use number bonds and related facts to add and subtract decimals

Use your knowledge of the number system to calculate mentally using decimals

Example:	Further examples:
0.75 + 0.56 = 1.31	0.62 + 0.38= 1 using knowledge of 62 + 38 = 100
Use your knowledge of 75 + 56 = 131	2.8 + 0.43=3.23 using knowledge of 280 + 43 = 323
(The actual answer will be	1 – 0.41= 0.59 using knowledge of 100 – 41 = 59
100 times smaller because	0.92 – 0.35=0.57 using knowledge of 92 – 35 = 57
0.75 is 100 times smaller	