

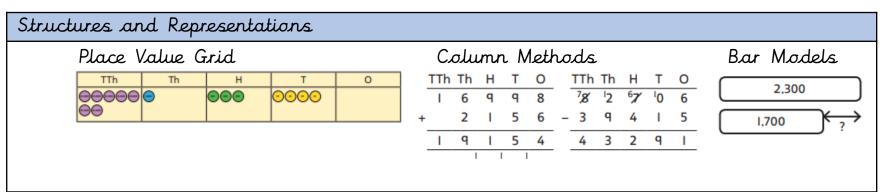
Maths Knowledge Organiser

Year 5: Addition and Subtraction

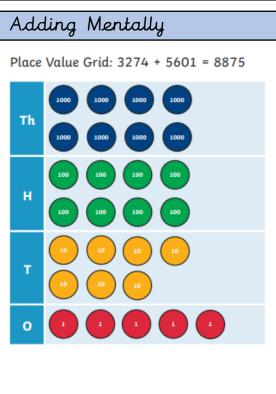
Prior Knowledge (Y4 Unit 3)

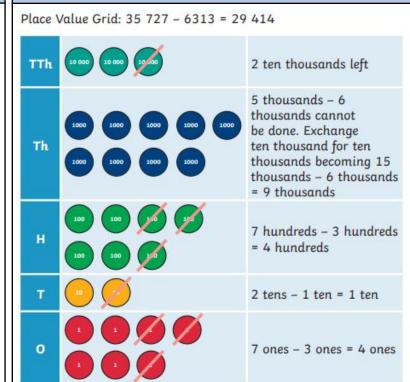
- Add and subtract numbers with up to 4 digits
- Adding and subtracting ls, 10s, 100s, 1,000s
- Use the formal written methods of columnar addition and subtraction
- Estimate and use inverse operations to check answers
- Round any number to the nearest
 10, 100 or 1,000
- Salve addition and subtraction twostep problems





Subtracting Mentally





Partitioning is useful for calculating mentally. e.g.

523 + 251

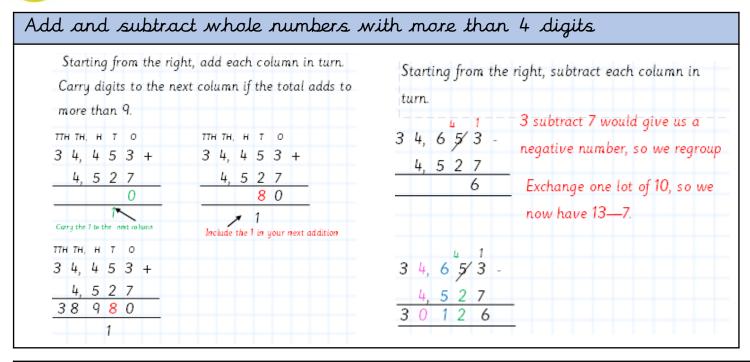
500 + 200 = 700 20 + 50 = 703 + 1 = 5

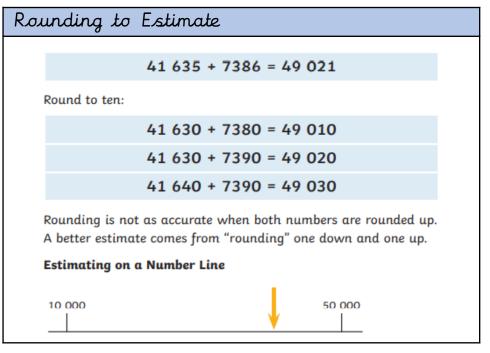
523 + 251 = 775



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Solving Multi-Step Problems

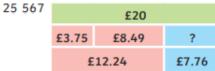
Using a Bar Model

The sum of two numbers is 25 567. The difference is 1875.



Subtract 1875 from 25 567 = 23 692.

Halve 23 692 to find smaller number = 11 846. Add 1875 to find larger number = 13 721.

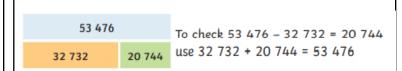


£20 is used to buy 2 books costing £3.75 and £8.49.

£12.24 £7.76 How much change is given? £3.75 + £8.49 = £12.24

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

Use Inverse to Check



Start with a number, subtract 409 and double. I end with 6264. To find the starting number use the inverse: halve, then add 409. Half of 6264 = 3132. 3132 + 409 = 3541. The starting number was 3541.