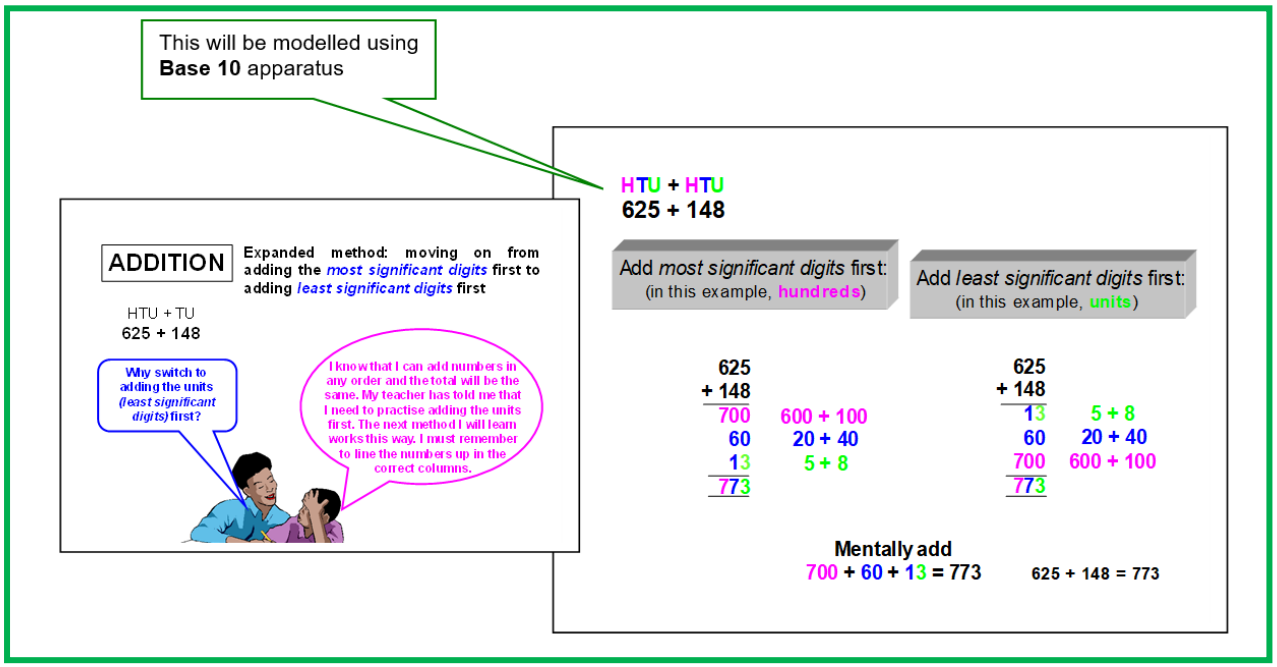
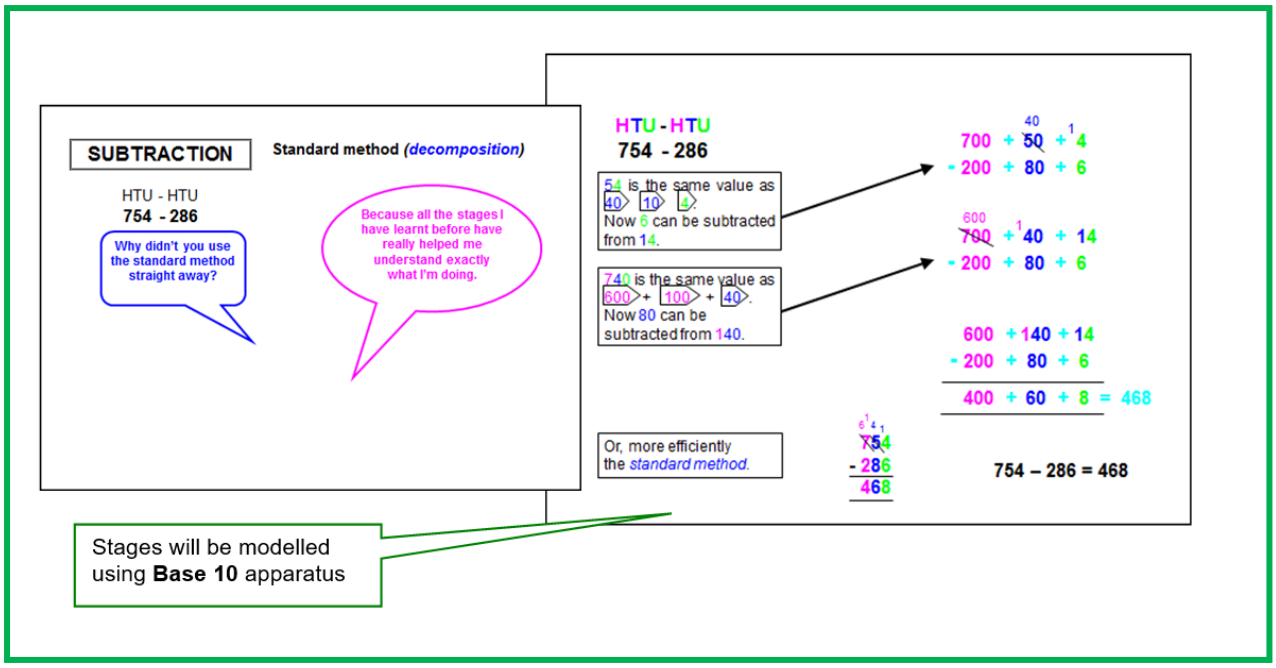
Supporting Maths in Year 4

A key headline for Maths in Year 4 is that pupils should be fluent in all times tables to 12. Pupils will take part in the Multiplication Tables Check in June of Year 4. You should continue to practise with your children at home and Times Tables Rock Stars can help to support this.




SUBTRACTION
Standard method (decomposition)
HTU - HTU
754 - 286
Why didn't you use the standard method straight away?
Because all the stages I have learnt before have really helped me understand exactly what I'm doing.
HTU - HTU
754 - 286
54 is the same value as 40 10 4.
Now 6 can be subtracted from 14.
740 is the same value as 600 + 100 + 40.
Now 80 can be subtracted from 140.
Or, more efficiently the standard method.
700 + 50 + 14
- 200 + 80 + 6
600 + 140 + 14
- 200 + 80 + 6
400 + 60 + 8 = 468
754
- 286
468
754 – 286 = 468
Stages will be modelled using Base 10 apparatus

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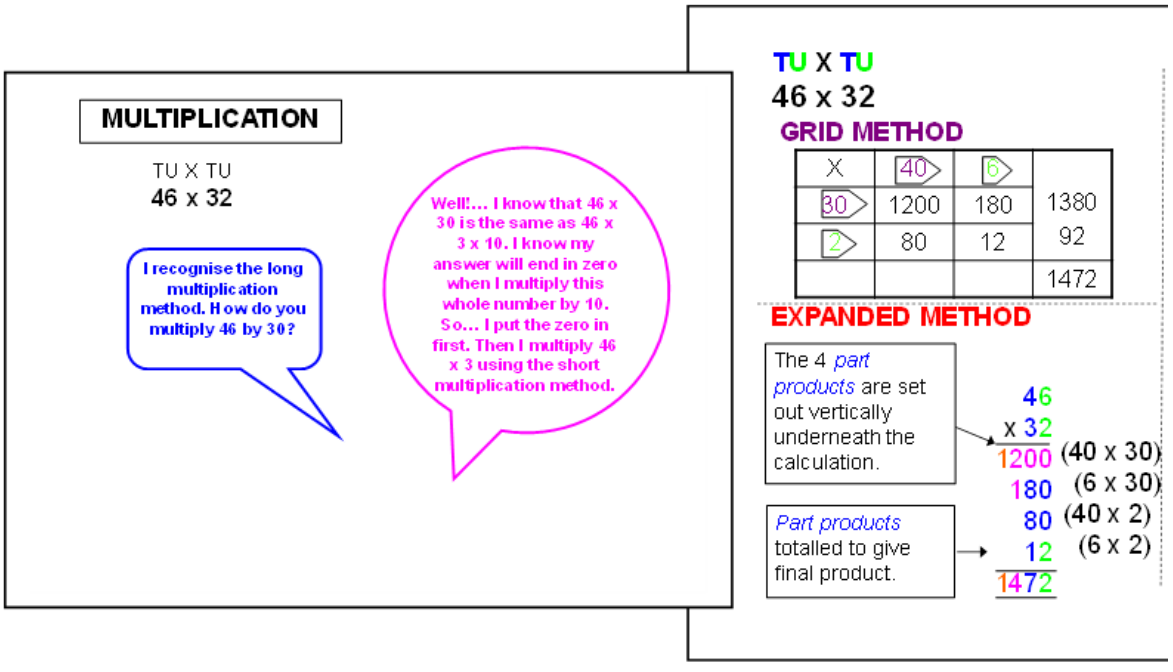
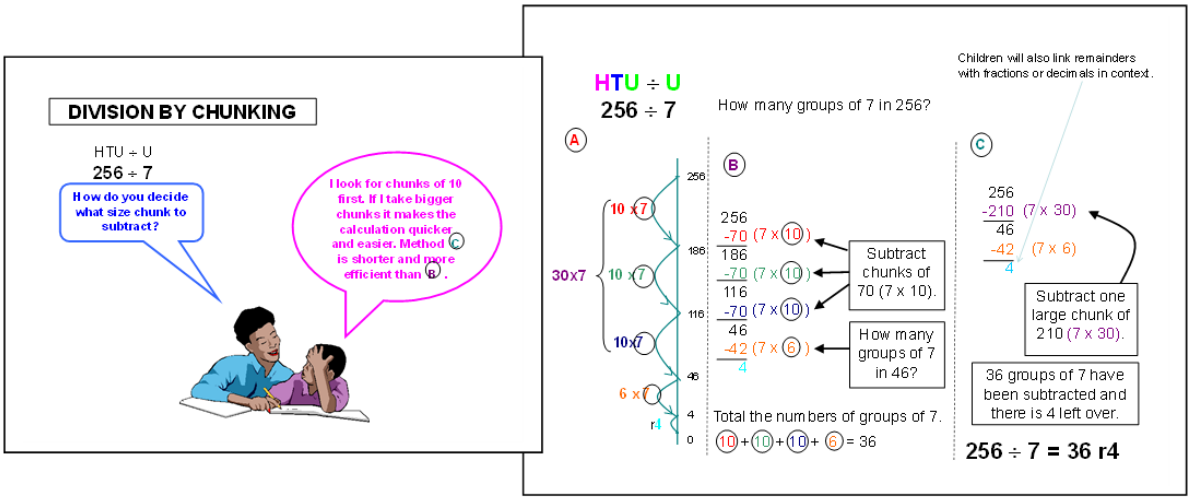

MULTIPLICATION
TU X TU
46 x 32
I recognise the long multiplication method. How do you multiply 46 by 30?
Well!... I know that 46 x 30 is the same as 46 x 3 x 10. I know my answer will end in zero when I multiply this whole number by 10. So... I put the zero in first. Then I multiply 46 x 3 using the short multiplication method.
TU X TU
46 x 32
GRID METHOD
X 40 6
30 1200 180 1380
2 80 12 92
1472
EXPANDED METHOD
The 4 part products are set out vertically underneath the calculation.
Part products totalled to give final product.
46
x 32
1200 (40 x 30)
180 (6 x 30)
80 (40 x 2)
12 (6 x 2)
1472



Use of symbols = equal to < less than > greater than

Fractions

Pupils should be able to count up and down in tenths and recognise that a whole divided by 10 is 0.1.

They should be able to recognise and use fractions as numbers as well as add and subtract fractions and mixed numbers with like denominators.

Pupils should be able to recognise and identify equivalent fractions.