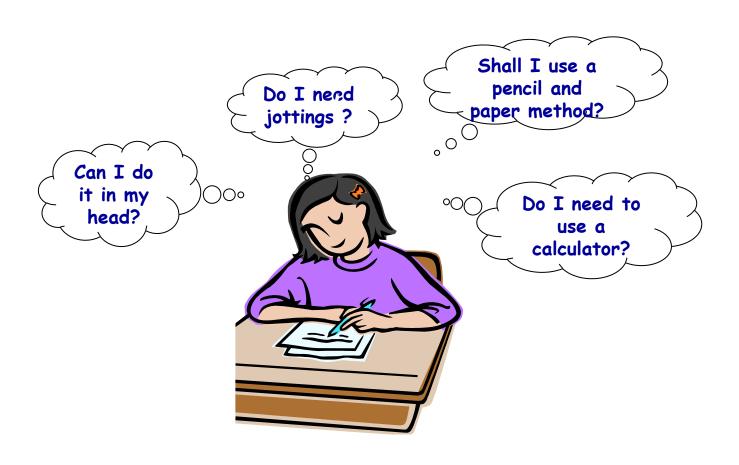
Progression through Calculations



Addition

341 + 276

Partitioning

$$300 + 200 = 500$$

$$1 + 6 = 7$$

Compact Column Method

H T U

3 4 1

+ 2 7 6

6 1 7

.

Expanded Column Method

HTU

3 4 1

+ 2 7 6

1 1 0

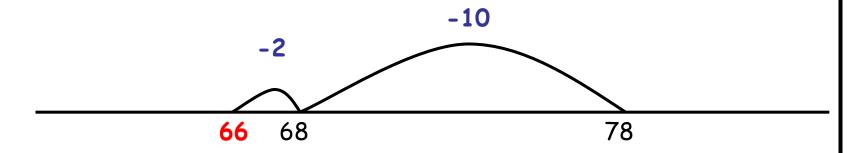
5 0 0

6 1 7

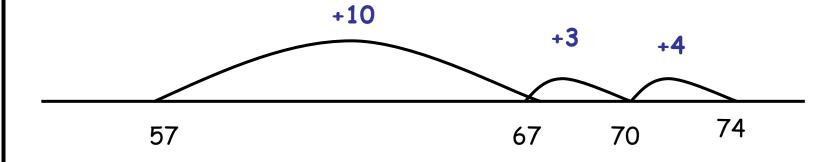
Subtraction

Subtraction using a Number Line

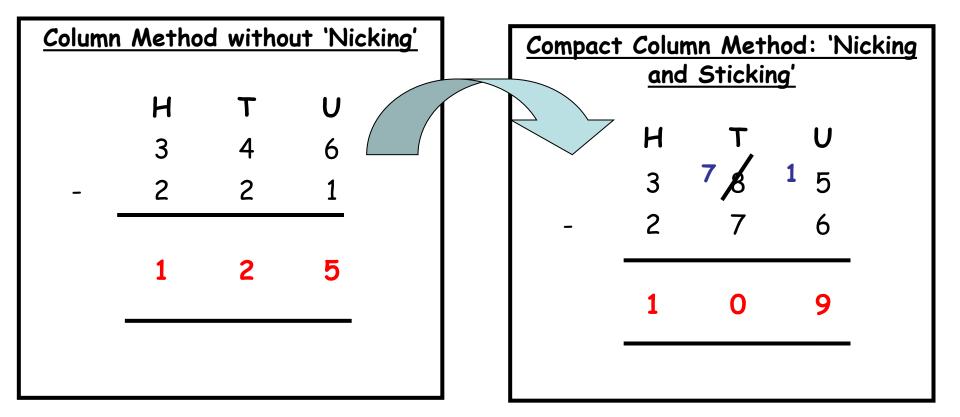
Counting Back: 78 - 12 = 66



Counting on: 74 - 57 = 17 (10 + 3 + 4)



Subtraction



Multiplication

Using an array

$$0 0 0 0 4 \times 3 = 12$$

$$3 \times 4 = 12$$

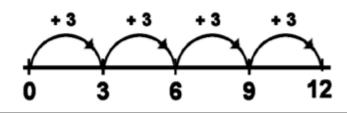
Multiplying by 10 or 100

Th	H	۲	C
		5	3
		3	0

Th	H	۲	J
4		2	4
2	4	0	0

Repeated addition using a number line

4 x 3 (4 jumps of 3)



The Grid Method!

 24×3

×	20	4
3	60	12

Division

