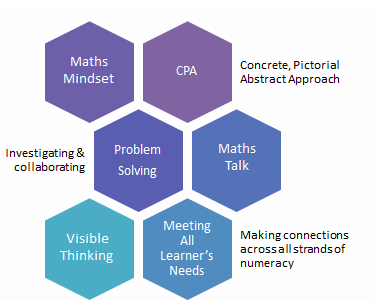
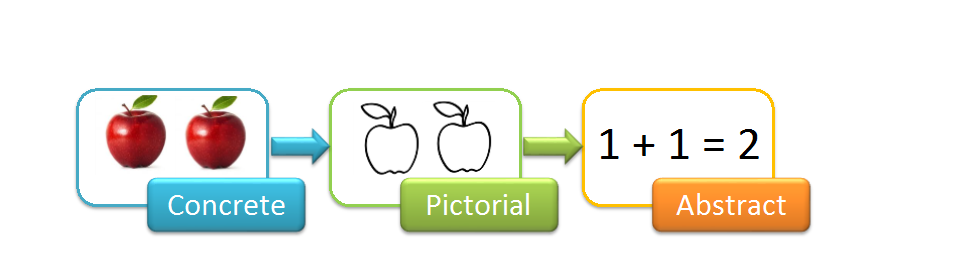
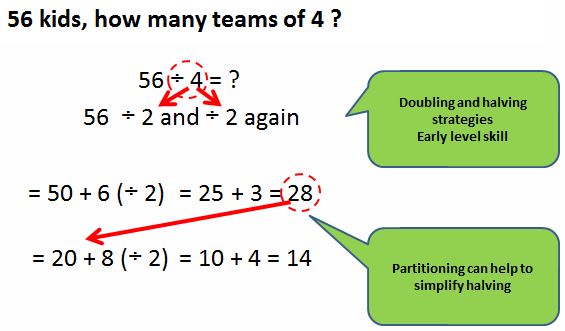
Glasgow Counts

4 operations

Key strategies





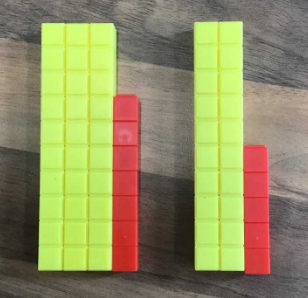


**Dienes**

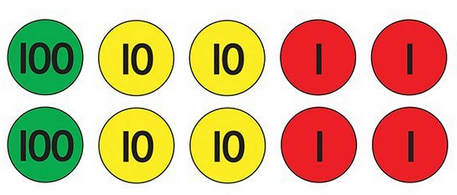
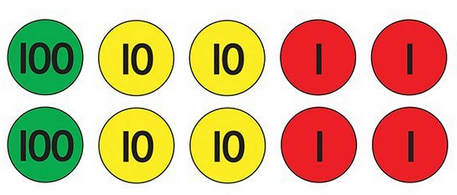
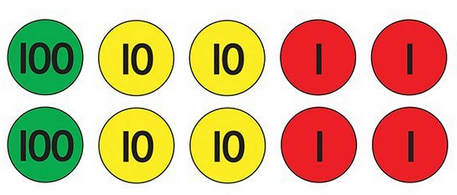
37 + 25 =

**Addition**

**FACTORS**



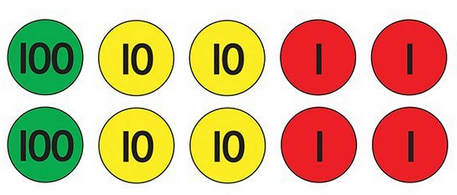
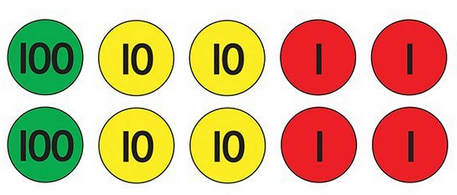
**Place Value Counters**





**Expanded Algorithm:**

**Using Irregular Partitioning**

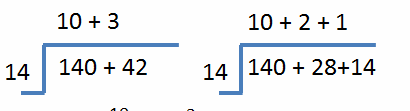
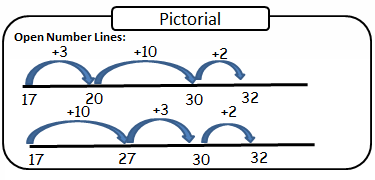




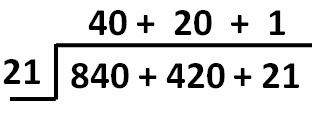


**Open Number Lines: 17 + 15 = ?**

37 + 25 =

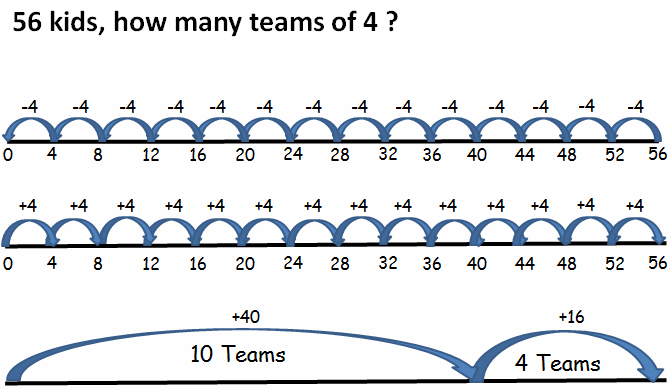
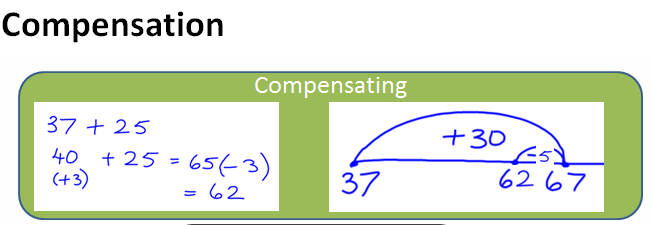


1281 ÷ 21 = ?

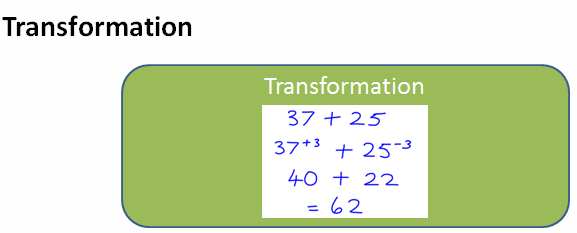


Page 14

Page 1



There are 37 children on a bus. 25 more children get on. How many children are now on the bus?



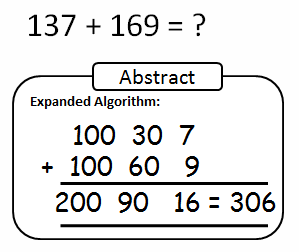
**Reverse Grid**

182 ÷ 14 =

1

2

10



14

28

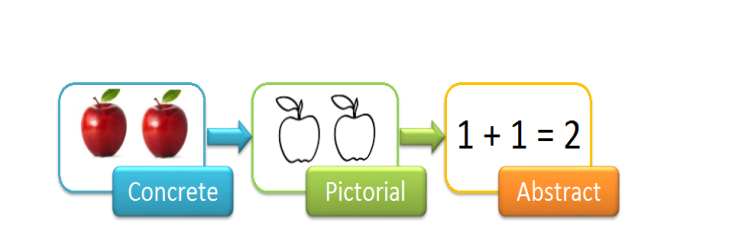
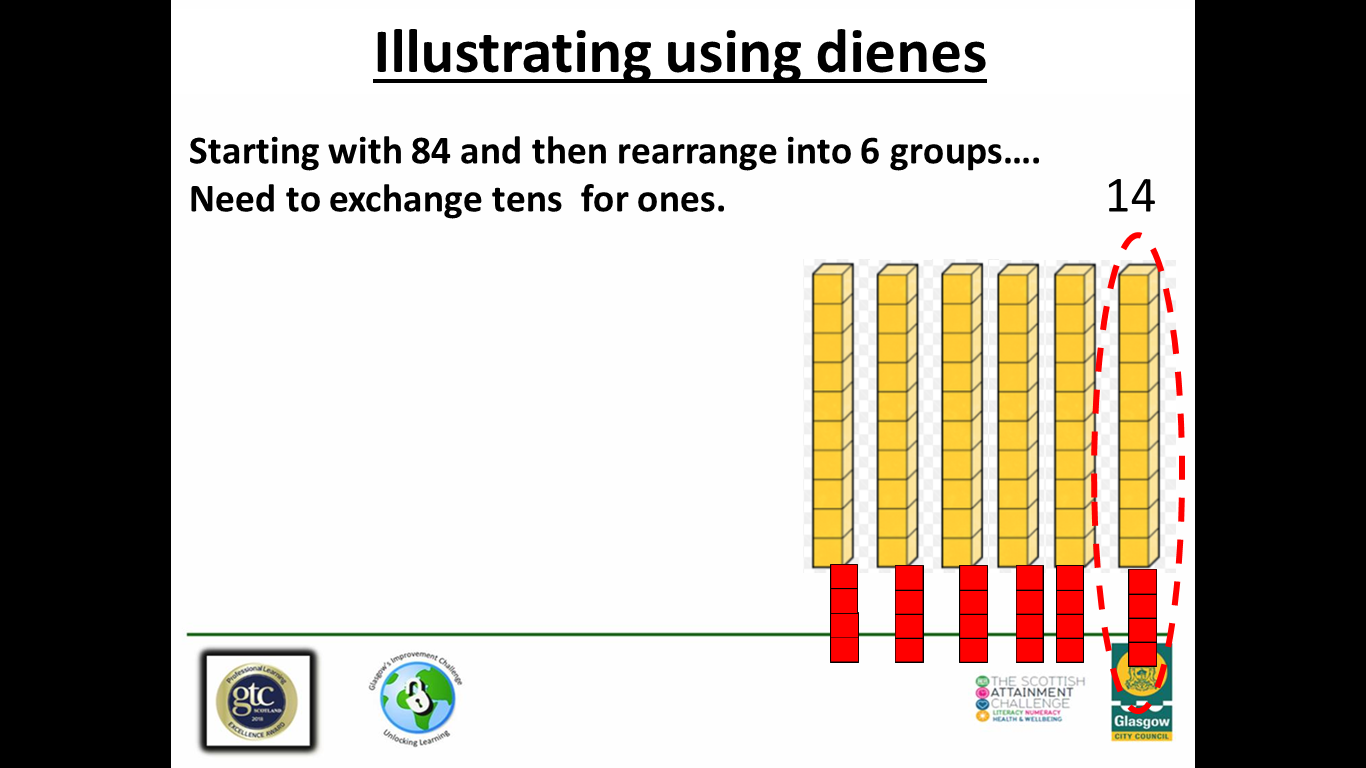
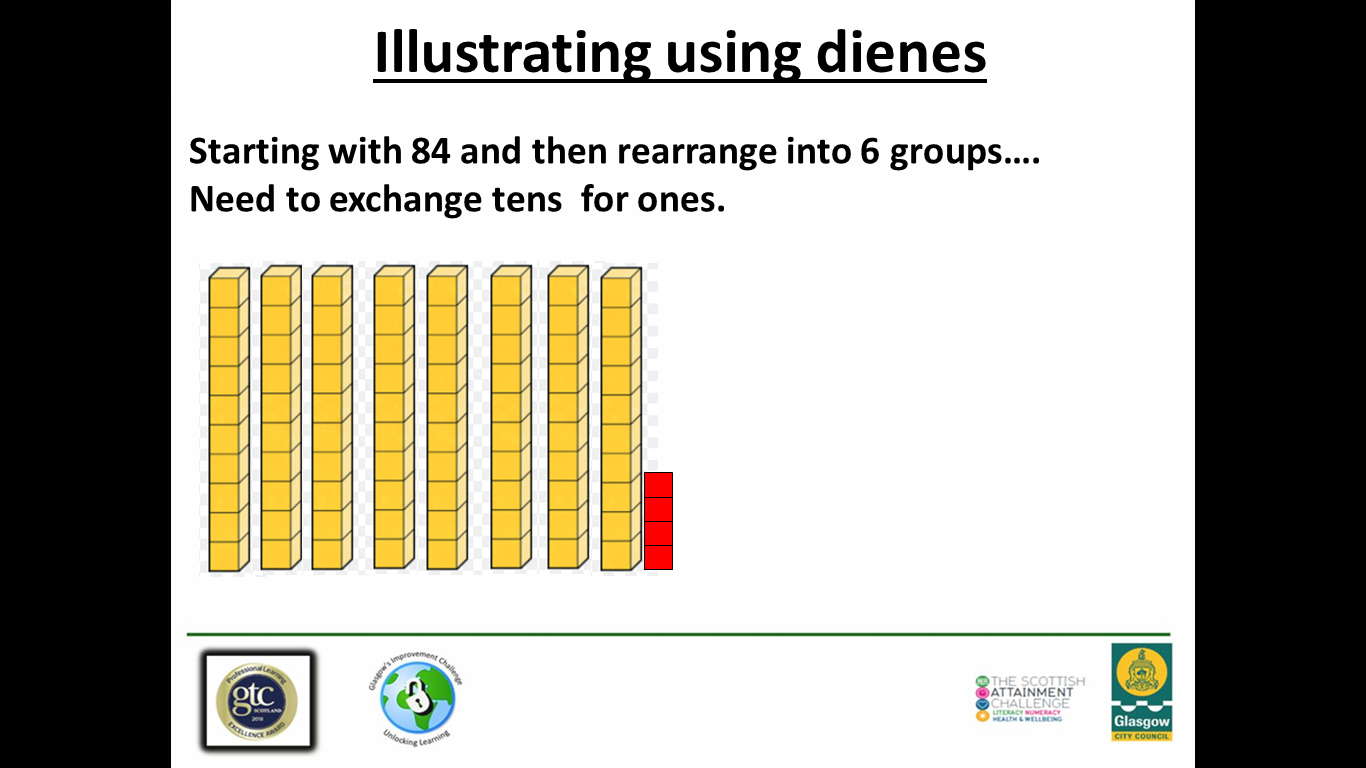
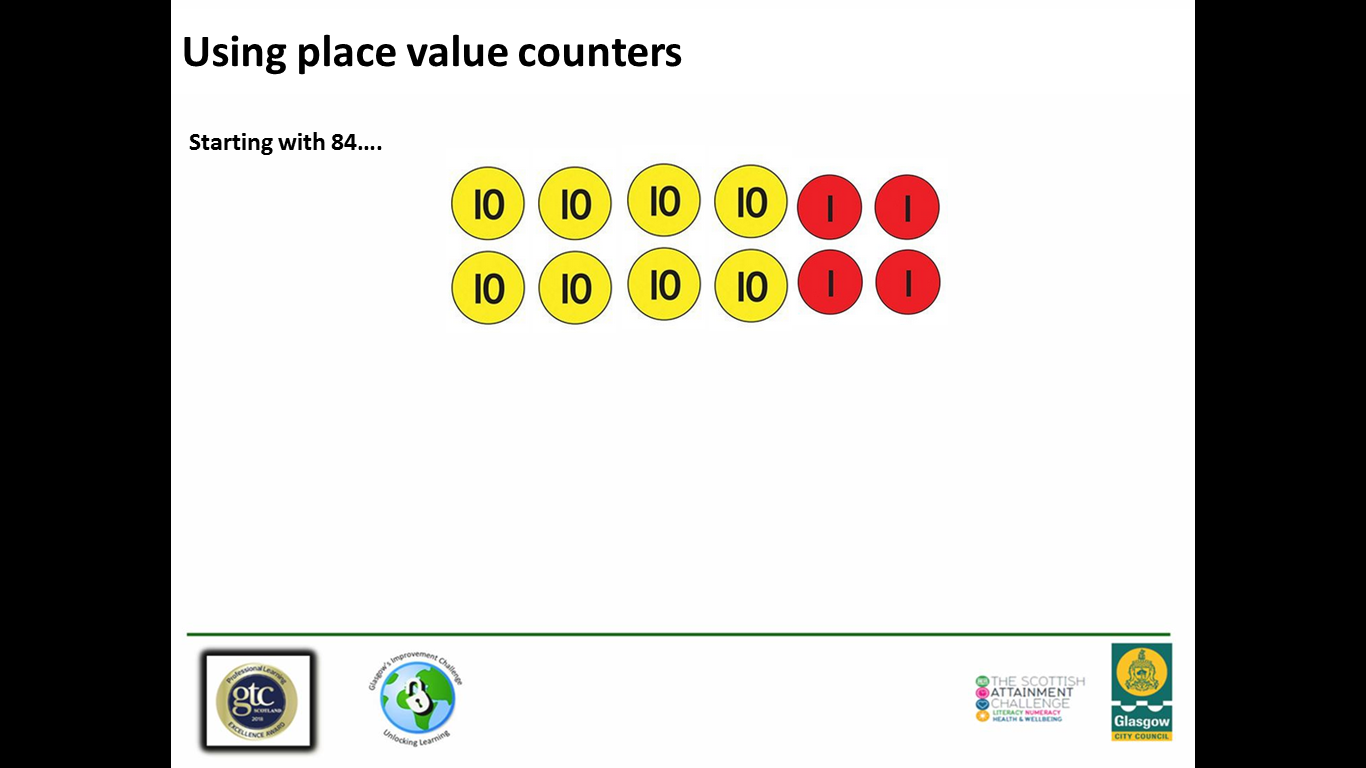
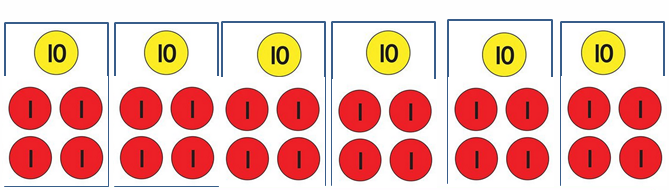
140

14



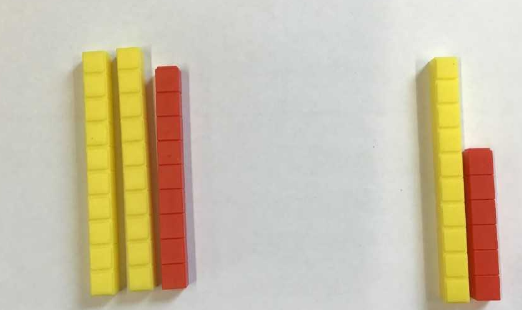
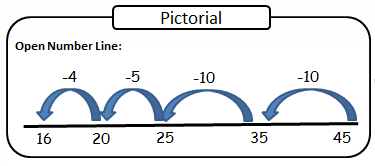
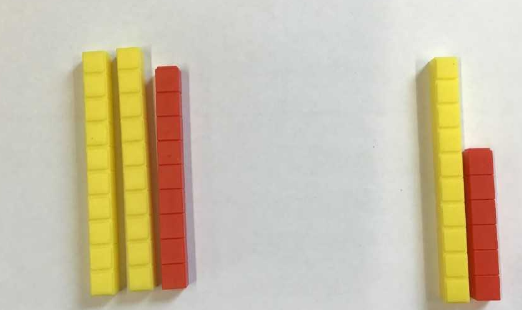
Page 13

Page 2



84 ÷ 6 = ?

Subtraction



Concrete

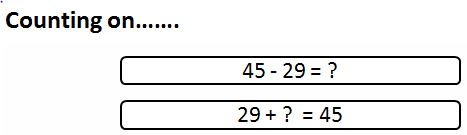
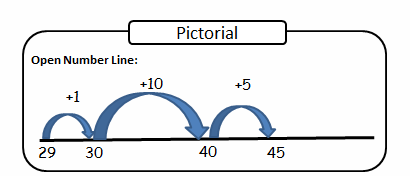
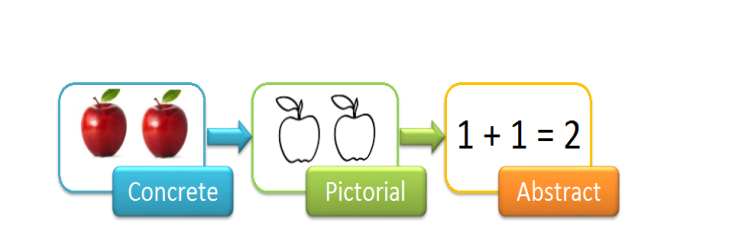
* Dienes

45 - 29

= 16

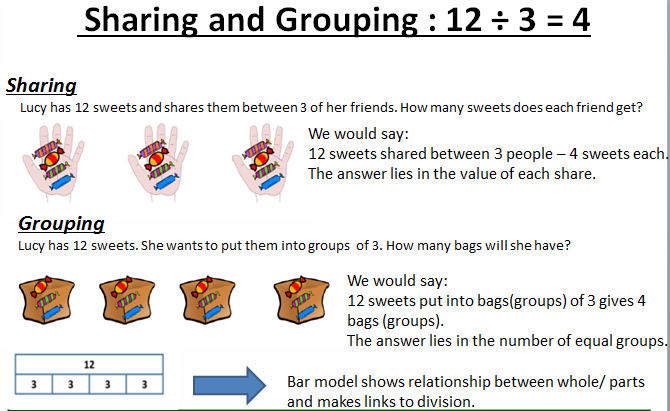
Page 12

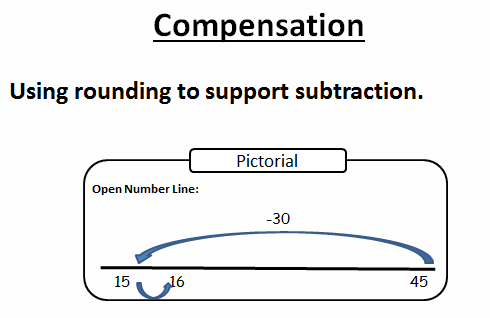
Page 3

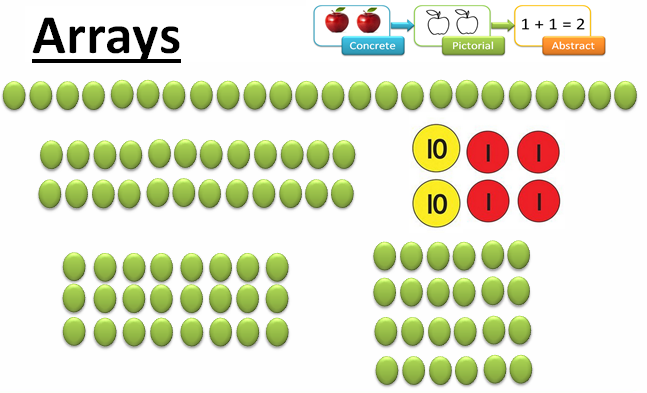


**Division**

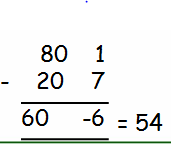
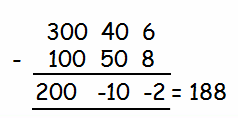
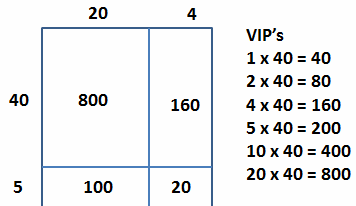
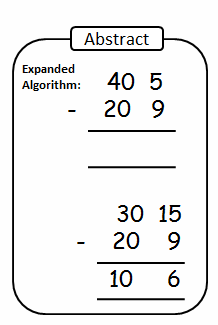
Page 4







Page 11



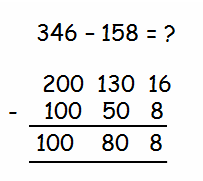
**Partitioning and Irregular Partitioning.**

There are 24 tennis balls in a box. How many are there in 45 boxes?

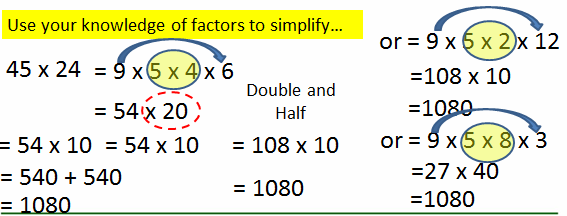
**Negative Subtraction**

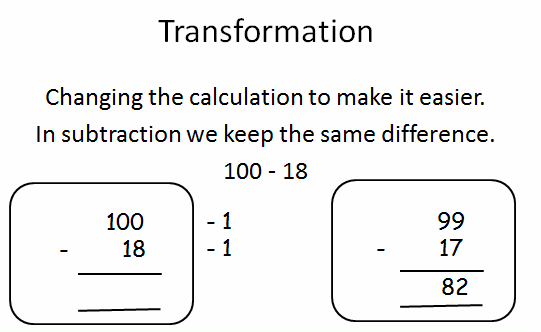
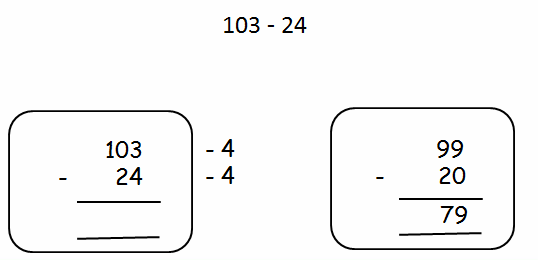
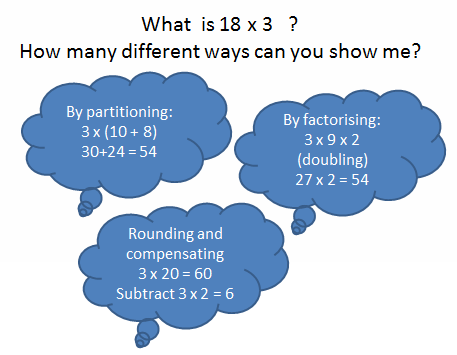
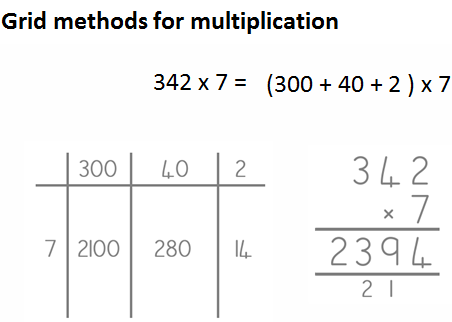
Page 10

Page 5



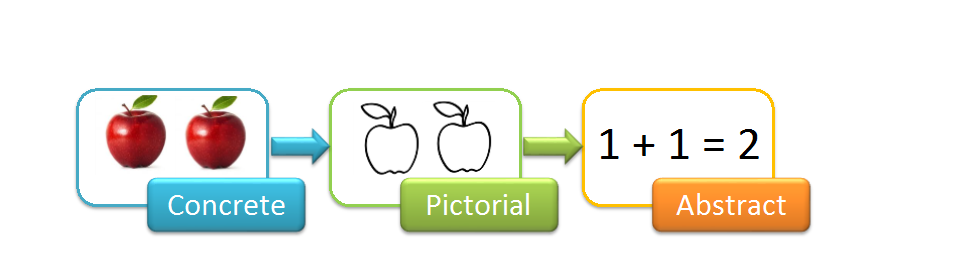
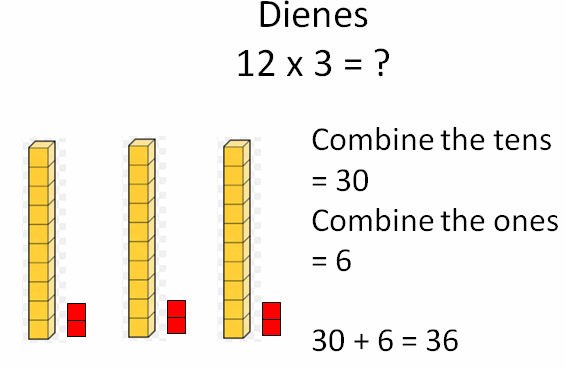
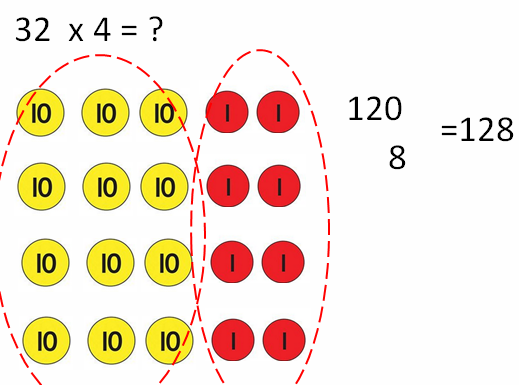
**Factorising**





Page 9

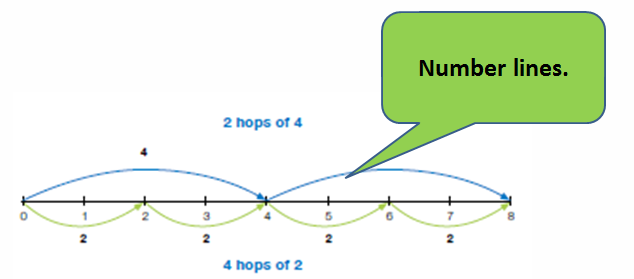
Page 6

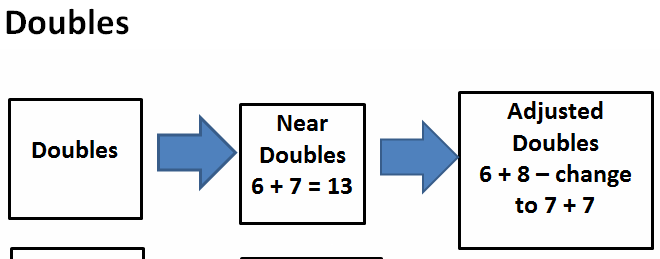


Multiplication

Page 7 7

Page 8





Place Value Counters



Show me 4 ways…

