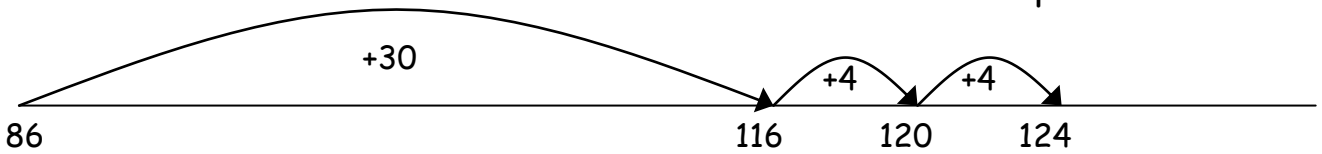
Year 3/4 Steps to Success

Addition +

put together, add, addition, altogether, total, more than, sum, difference, calculation, partitioning , columnar addition, inverse, estimate

Method 1: 38 + 86 = 124

- count on from the largest number
- Count on in multiples of tens and units



Method 2: 67 + 24 = 91

```
   67
 + 24
   11  ( 7 +  4)
   80  (60 + 20)
   91
```

- line up tens and units
- add units first then tens

Method 3: 367 + 85 = 452

```
  367
+  85
  452
   1
```

- line up H,T and U
- carry below the line

Subtraction (-)

take away, distance between, difference between, less than, least, inverse, sum, difference, columnar subtraction, estimation, rounding, exchange

Method 1: 89 – 57 =32

```
  80   /  9
- 50   /  7
  30   +  2  =  32
```

- partition tens and units
- line up tens and units
- subtract units first then tens
- add the numbers below the line

Method 2: 71 – 46 = 25

```
  60
  ~~70~~  /  11
- 40   /  6
  20   +  5  =  25
```

- if you can't take the number away, exchange ten from the tens column
- take from units first

Method 3:

754 – 86 = 668

```
  614 1
  7~~5~~4
- 86
  668
```

- line up H, T & U
- take from units first
- exchange from the column to the left

Multiplication (x)

group, lots of, double, array, repeated addition, times, multiply, product, partitioning

Method 1:

x	20	3
8	160	24

160
+ 24
184

x	70	2
30	2100	60
8	560	16

2100
+ 560
+ 60
+ 16
2736
1

- partition into H, T & U
- add your answers using column addition

Method 2: 23 x 8 = 184

23
X8
24
160
184

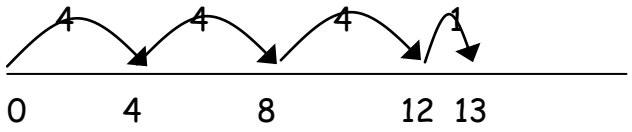
- line up H, T & U
- approximate an answer first E.G. 25 x 8 = 200

Division (÷)

Share, groups, halve, divide, repeated addition/subtraction, remainder, quotient

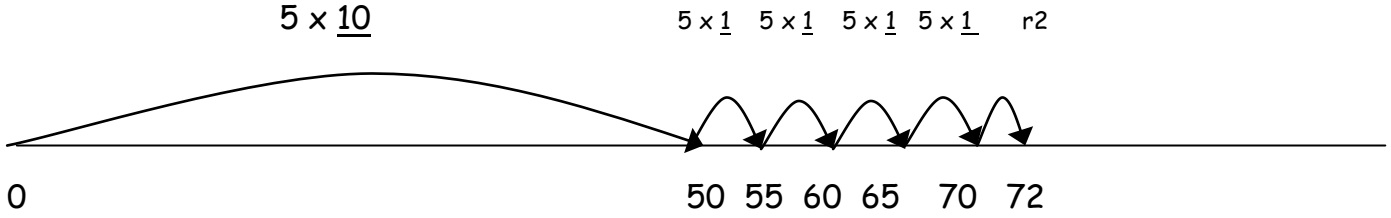
Method 1: 13 ÷ 4 = 3 r 1

- start from zero
-count the jumps on an ENL
- is there a remainder?



Method 2: 72 ÷ 5 = 14 r 2

- start from zero on an ENL
- subtract multiples of the divisor



Method 3: 98 ÷ 7 = 14

$$\begin{array}{r|l} & 14 \\ \hline 7 & 98 \\ & 2 \end{array}$$

- put the divisor to the left of the bus stop
- is there a remainder?