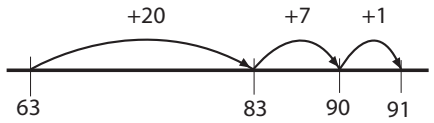
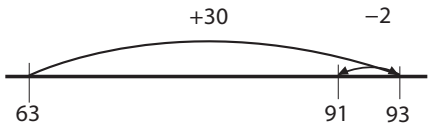
Compact vertical

23454 + 596   23.7 + 48.56

```
  2 3 4 5 4        2 3 . 7 0
+     5 9 6      + 4 8 . 5 6
  2 4 0 5 0        7 2 . 2 6
    1 1 1          1 1
```

Using a number line: 63 + 28 = 91





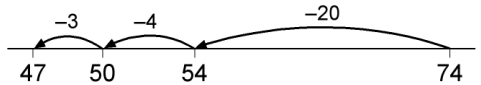
Decomposition

2748 – 364   72.5 – 45.73

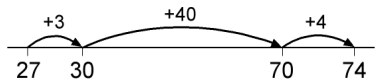
```
   6 1                1 1
  2 7 4 8          6 1 4 1
-   3 6 4          7 2 . 5 0
  2 3 8 4        - 4 5 . 7 3
                   2 6 . 7 7
```

Using a number line: 74 - 27 = 47

'Taking away'



'Counting on'



LOOK AT THE NUMBERS – can you solve it in your head, with jottings or using written method?

Long multiplication

5172 x 38

```
    5172
     x 38
   41376
   1 5 1
+ 155160
   2
  196536
    1
```

Using known multiplication facts:

43 x 6 = (40 x 6) + (3 x 6) = 258

Division

559 ÷ 13   562 ÷ 13

```
      0 4 3              0 4 3 . 2 3
13 | 5 5 9          13 | 5 6 2 . 0 0
```

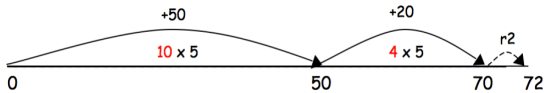
562 ÷ 13

$= 43 \text{ r } 2 = 43\frac{2}{13}$

= 43.2 (to 1dp)

Using known multiplication facts

1	13
2	26
4	52
5	65
8	104
10	130

Using a number line:

72 ÷ 5 = 14r2