

To use addition to subtract large numbers

eg: $365 - 88$

Steps to success:

1) Start with the lowest number

2) Add a little bit each time a record this

3) When you reach the target number, add all the steps up.

$$\begin{array}{r} 365 \\ - 88 \\ \hline + 2 \quad (90) \\ + 10 \quad (100) \\ + 100 \quad (200) \\ + 100 \quad (300) \\ + 60 \quad (360) \\ + 5 \quad (365) \\ \hline 275 \end{array}$$

Mental Starter:

Round these amounts to the nearest £1

Either

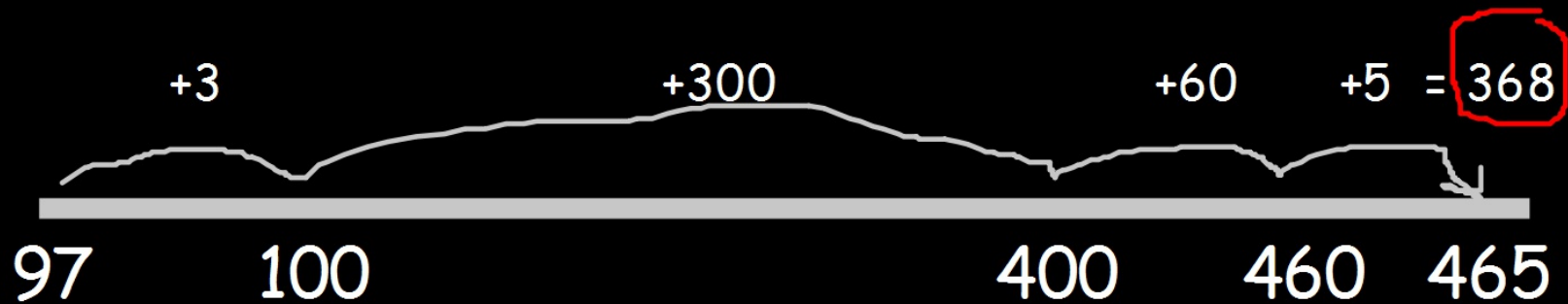
£3 or £4: £3.60 £3.32 £3.81 £3.50

Anything: £4.65 £6.77 £9.82 £0.56

Now round them to the nearest 10p.

We can use adding to do subtractions:

$$465 - 97$$



Another way to write this is this:

$$\begin{array}{r}
 465 \\
 - 97 \\
 \hline
 + 3 \text{ (100)} \\
 + 300 \text{ (400)} \\
 + 60 \text{ (460)} \\
 + 5 \text{ (465)} \\
 \hline
 368
 \end{array}$$

On whiteboards, complete this with your teacher:

$$382 - 167$$

$$\begin{array}{ccccccc}
 & + 3 & & & & & = \underline{\quad} \\
 \hline
 167 & 170 & 200 & & 300 & 380 & 382
 \end{array}$$

Then write the same question the other way:

$$\begin{array}{r}
 382 \\
 - 167 \\
 \hline
 + 3 \text{ (170)} \\
 +
 \end{array}$$

On whiteboards, complete this with your teacher:

$$538 - 253$$

$$\begin{array}{r}
 \text{+7} \\
 \text{-----} \\
 253 \quad 260
 \end{array}
 = \underline{\quad}$$

Then write the same question the other way:

$$\begin{array}{r}
 538 \\
 - 253 \\
 \hline
 + 7 \quad (260) \\
 +
 \end{array}$$

copy to your book and complete

1) $275 - 120 = \underline{\quad}$

A number line starting at 120 and ending at 275. Red arrows show jumps of 80 units: from 120 to 200, from 200 to 270, and from 270 to 275. The text '+ 80' is written above the first jump.

2) $263 - 178 = \underline{\quad}$

A number line starting at 178 and ending at 263. A red arrow shows a jump of 80 units from 178 to 260.

3) $371 - 124 = \underline{\quad}$

A number line starting at 124 and ending at 371.

Then try these:

4) $510 - 435$

5) $238 - 76$

6) $743 - 473$

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Copy and complete the first one
(both methods), then choose
your method for the rest

$$1) 263 - 178 = \underline{\quad}$$

$$\begin{array}{r} 263 \\ - 178 \\ \hline + 2 (180) \\ + \end{array}$$

Then try these (you can choose one method):

$$2) 510 - 435 \quad 3) 238 - 76 \quad 4) 743 - 473$$

$$5) 853 - 642 \quad 6) 648 - 352 \quad 7) 748 - 364$$

If you finish, make a question for a partner on your whiteboard.