

## CALCULATIONS

### Pupils should be taught to:

Use known number facts and place value to add or subtract a pair of numbers mentally

### As outcomes, Year 4 pupils should, for example:

*Continue to add or subtract two-digit multiples of 10*

- Respond to oral questions like:  
 $40 + 70$                        $130 - 50$   
and explain method.
- Work mentally to complete written questions like:  
 $90 + \square = 130$                $\square - 50 = 80$   
then explain method in writing.

*Add or subtract a pair of multiples of 100, crossing 1000*

- Respond to oral questions like:  
 $500 + 700$                        $1200 - 500$   
and explain method.
- Work mentally to complete written questions like:  
 $200 + 900 = \square$                $800 + \square = 1300$                $\square - 600 = 900$   
then explain method in writing.

*Revise adding/subtracting a multiple of 10 to/from a two- or three-digit number, without crossing the hundreds boundary*

- Respond to oral questions like:  
 $52 + 30$                        $582 - 30$   
and explain method.
- Work mentally to complete written questions like:  
 $52 + 30 = \square$                $52 + \square = 82$                $\square + 30 = 82$   
 $76 - 40 = \square$                $76 - \square = 36$                $\square - 40 = 36$   
then explain method in writing.

*Revise adding a two- or three-digit number to a multiple of 10, 100 or 1000*

- Respond to oral questions like:  
 $90 + 18$                        $350 + 16$   
 $200 + 364$                        $4000 + 518$   
and explain method.
- Work mentally to complete written questions like:  
 $430 + 54 = \square$                $430 + \square = 484$                $\square + 54 = 484$   
 $610 + 27 = \square$                $610 + \square = 637$                $\square + 27 = 637$   
then explain method in writing.

*Find what to add to a two- or three-digit number to make 100 or the next higher multiple of 100*

- Respond to oral questions and explain method:  
What must be added to 37 to make 100? 432 to make 500?
- Work mentally to complete written questions like:  
 $58 + \square = 100$                $486 + \square = 500$                $731 + \square = 800$   
then explain method in writing.

*Find what to add to a four-digit multiple of 100 to make the next higher multiple of 1000*

- Respond to oral questions like:  
What must be added to 7300 to make 8000?  
and explain method.
- Work mentally to complete written questions like:  
 $3200 + \square = 4000$                $8400 + \square = 9000$

Use and apply these skills in a variety of contexts, in mathematics and other subjects.