# St Teresa's Catholic Primary School <br> Calculation Policy - Subtraction 

Respect - Resilience - Read - Retain
'Do the little things well'


## EYFS

Key Vocabulary: take away, difference between, how many are left/ left over? How many are gone?, one less, two less, ten less. How many fewer is...than...? How much less is...? minuend, subtrahend, difference.

Counting fluency: To count forwards and backwards in steps of $1 \mathrm{~s}, 2 \mathrm{~s}, 5 \mathrm{~s}$ and 10 s .

| Objective <br> and <br> Strategies | Concrete | Pictorial | Abstract |
| :--- | :--- | :--- | :--- | :--- | :--- |
| To find one <br> less than a <br> number. | Use physical objects to find the <br> solution by taking away one object <br> from thewhole. <br> Can you find one less than the <br> number? | Can you find one less than the number? <br> Modelled on a number line <br> countback one on the number line to find the solution. | $7-1=6$ |



Key Vocabulary: subtract, take away, difference between, how many are left/ left over? How many are gone? One less, two less, ten less. How many fewer is...than...? How much less is...? minuend, subtrahend, difference.

Counting fluency: To count forwards and backwards in steps of $1 \mathrm{~s}, 2 \mathrm{~s}, 5 \mathrm{~s}$ and 10 s .
Year 1 calculation methods.

| Objective <br> and <br> Strategies | Concrete | Pictorial | Abstract |
| :--- | :--- | :--- | :--- | :--- |
| To find one <br> more than a <br> number. | Modelled using counters <br> One less than 16 <br> Use physical objects and find the <br> solution (difference) by taking away one <br> object from the group (minuend), <br> counting backwards. | Circle the biggest number (minuend) in the number <br> sentence and countback one (subtrahend) on the number <br> line to find the solution (difference). | Record as a written <br> calculation. |


| To find 10 more than a number | Modelled using Base 10 Ten less than 35 <br> Step 1-Make the number (minuend) usingbase 10 or concrete resources. <br> Step 2- Take 10 (subtrahend) away. <br> Step 3-Calculate the final answer by counting how many are left (difference). | Step 1- Circle the number you arestarting at (minuend) e.g. 35 <br> Step 2- Count back 10 (subtrahend). Step 3-The tenth number you land on isyour answer (difference) e.g. 25 |  |
| :---: | :---: | :---: | :---: |
| To count back to subtract | Make the larger number in your subtraction. Move the beads along your bead string as you count backwards in ones. <br> Use counters and move them away from the group as you take them away counting backwards as you go. | Count back on a number line or number track <br> Start at the bigger number and count back the smaller number showing the jumps on the number line. | Put 13 in your head, count back 4. What number are you at? Use your fingers to help. |


| To find the difference between 2 numbers | Children begin to compare amounts by representing withobjects. <br> Children use objects to represent problems usingthe bar model. | Number line- counting on <br> Find the difference by counting on from the smaller number(subtrahend) to the bigger number (minuend). $11-5=6$ <br> Comparison Bar Models <br> Lisa is 13 years old. Her sister is 22 years old. <br> Draw bars to Find the difference in age between them. find the difference between 2 numbers. | Children apply to word problems. <br> Hannah has 12 sweets and her sisterhas 5 sweets. How many more sweetsdoes Hannah have than her sister? |
| :---: | :---: | :---: | :---: |
| Part Part <br> Whole Model | Link to addition- use the part whole model to help explain the inverse between addition and subtraction. <br> If 10 is the whole and 6 is one of the parts. What is the other part? $10-6=$ | Use a pictorial representation of objects to show the part part whole model. | 5 <br> 10 <br> Move to using numbers within the part whole model. |




## Year 2

Counting fluency: To count forwards and backwards in steps of $2 \mathrm{~s}, 3 \mathrm{~s}, 4 \mathrm{~s}, 5 \mathrm{~s}$ and 10 s .

## Mental strategies

| Skill | Strategy |  |
| :---: | :--- | :--- |
| To subtract 9 <br> to a 2-digit <br> number by <br> adjusting. | $\mathbf{5 4 - 9}$ | Make the number with base ten equipment, then subtract 10. You then need to add 1 because 9 is actually one less <br> than 10. Children will begin to do this mentallywithout equipment. For $54-9$ you would first subtract 10 <br> 44 then add 1, |
| $44+1=45$ so $54-9=45$. |  |  |

## Year 2 calculation methods.

| Objective and <br> Strategies | Concrete | Pictorial | Abstract |
| :--- | :--- | :--- | :--- | :--- |

To subtract numbers using objects, pictures and mentally including:
-a 2-digit number and ones
-a 2-digit number and tens
-two 2-digit numbers

To use
partioning to subtract with two digit numbers.

Use the base ten to represent the numbers (minuend) then use knowledge of exchanging tens for ten ones tosubtract the subtrahend.
$34-9=25$

$45-20=25$


93-76= 17


Use base 10 the make the number and subtract the tens and then the ones.

## Modelled using a number line or 100 square

 Count back from largest (minuend) to smallest(subtrahend) number to find the difference. 34-9=25
$45-20=25$

## 93-76=17



Model subtracting 10s on the number line then the
ones


Use of a written method Record by drawing their own number line.


Record subtracting tens and then ones.
$45-28=$
$45-20=25$
$25-8=17$


| To derive related facts up to 100. | Modelled using Base 10 $10-3=7$ | Modelled using pictorial representations of Base 1010-3=7 <br> ज\|च|च $\square$ जी $100-30=70$ | Record as a written calculation. $\begin{aligned} & 10-3=7 \\ & 10-30=70 . \end{aligned}$ |
| :---: | :---: | :---: | :---: |
| To subtract 9 from a 2-digit number by adjusting | Modelled using Base 10 $54-9=63$ <br> Step 1: Make the number sentence Step 2: If the number needed to subtract is 9 , make this a ten by adding one more. This will be exchanged for 1 ten. | Modelled using pictorial representations of <br> Base 1054-9=45 <br> Step 1-Add 1 to the 9 to make 10. <br> Step 2- Subtract 10 from the minuend. <br> Step 3- Now add the 1 back odd to find the difference. | Record as a written calculation. $54-9=45$ |



Step 3: Subtract 10 from the number (minuend), because the original number was 9,1 willneed to be subtracted from thedifference.

## Year 3

Key Vocabulary: subtract, take away, difference between, how many are left/ left over? How many are gone?, one less, two less, ten less, hundred less. How many fewer is...than...? How much lessis...? tens boundary, hundreds boundary, minuend, subtrahend, difference.

Counting fluency: To count forwards and backwards in steps of $2 s, 3 s, 4 s, 5 s, 6 s, 8 s, 10$ s and 100 s from any given number.

## Mental strategies

| Skill | Strategy |  |
| :---: | :---: | :---: |
| *Subtract a 3-digit number and ones, including crossing boundaries. | $\begin{aligned} & 34 \underline{5}-\underline{3} \\ & 34 \underline{5}-\underline{3}=34 \underline{2} . \\ & 43 \underline{2}-\underline{8} \end{aligned}$ | If the ones in the second number (subtrahend) can be taken from the first number (minuend) then subtract the ones only <br> If the ones in the subtrahend are more than the minuend then use partitioning to solve. For 432-8 you would partition 8 into 2 and 6 then $432-2=430-6=424$. |
| *Subtract a 3- digit number and tensincluding crossing boundaries. | $\begin{aligned} & 5 \underline{5} 4-40 \\ & 40=514 \\ & 543-7 \underline{0} \end{aligned}$ | If the tens in the second number (subtrahend) can be taken from the first number (minuend) then subtract the tens 554- <br> If the tens in the subtrahend are more than the minuend then use partitioning to solve. For $5 \underline{4} 3-70$ you would partition 70 into 40 and 30 andthen $543-40=503-30=473$. <br> Alternatively you could count back in steps of ten from the minuend. |
| *Subtract a 3-digit number and hundreds including crossing boundaries. | 754-400 | If the hundreds in the second number (subtrahend) can be taken from the first number (minuend) then subtract the hundreds $\underline{754-400}=\underline{3} 54$ Alternatively you could count back in steps of one hundred from the minuend. |
| *Subtract ones from a 3-digit tens number. | 340-7 | Use knowledge of place value to solve. $10-\underline{3}=7$ so $40-7=3 \underline{3}$ then add on the $300.340-\underline{7}=33 \underline{3}$ |



|  | 龍 | 43-21=22 $56-133=$ <br> 223 | $\begin{array}{rr} 43 & 365 \\ \frac{21}{22} & \frac{133}{232} \end{array}$ |
| :---: | :---: | :---: | :---: |
| To subtract 2 and 3 digit numbers with exchange. | Use base 10 to make the number (minuend) then regroup by exchanging a ten for ten ones and a hundred for ten tens where necessary so that youcan subtract the subtrahend. <br> $45-29=16$ <br> Step 1: Make the minuend <br> Step 2: Exchange 1 ten for 10 ones. <br> Step 3: Subtract two tens and 9 ones. $435-117=318$ | Children draw pictorial representations to show the regrouping in order to find the difference. <br> 45-29 = 16 <br> 435-117= 318 | Written Method <br> Children begin to use a condensed columnar method of subtraction with exchange in one column. |




Key Vocabulary: subtract, take away, difference between, how many are left/ left over? How many are gone? One less, two less, ten less, hundred less. How many fewer is...than..? How much lessis...? tens boundary, hundreds boundary, inverse, minuend, subtrahend, difference.

Counting fluency: To count backwards and forwards in steps of $2 \mathrm{~s}, 3 \mathrm{~s}, 4 \mathrm{~s}, 5 \mathrm{~s}, 6 \mathrm{~s}, 7 \mathrm{~s}, 8 \mathrm{~s}, 9 \mathrm{~s}, 10 \mathrm{~s}, 11 \mathrm{~s}, 12 \mathrm{~s}, 100 \mathrm{~s}$ and 1000 s from any given starting number.

## Mental strategies

| Skill | Strategy |
| :---: | :---: |
| *Subtract a 4-digit number and ones, including crossing boundaries. | 3345-3 If the ones in the second number (subtrahend) can be taken from the first number (minuend) then subtract the ones only $3345-3=3342$. <br> 2432-8 If the ones in the subtrahend are more than the minuend then use partitioning to solve. For 2432-8 you would partition 8 into 2 and 6 then $2432-2=430-6=2424$. |
| *Subtract a 4- digit number and tensincluding crossing boundaries. | 5554-40 If the tens in the second number (subtrahend) can be taken from the first number (minuend) then subtract the tens $55 \underline{5} 4$ $40=5514$ <br> 2543-70 If the tens in the subtrahend are more than the minuend then use partitioning to solve. For 2543-70 you would partition 70 into 40 and 30 andthen $2543-40=2503-30=2473$. <br> Alternatively you could count back in steps of ten from the minuend. |


| *Subtract a 4-digit number and hundreds including crossing boundaries. | 8754-400 If the hundreds in the second number (subtrahend) can be taken from the first number (minuend) then subtract the hundreds $8 \underline{7} 54-400=8 \underline{3} 54$ <br> 2543-700 If the hundreds in the subtrahend are more than the minuend then use partitioning to solve. For 25 $43-700$ you would partition 700 into 500 and 200 andthen $2543-500=2043-200=1843$. <br> Alternatively you could count back in steps of one hundred from the minuend. |
| :---: | :---: |
| *Subtract a 4-digit number and thousands including crossing boundaries. | 4527-2000 If the thousands in the second number (subtrahend) can be taken from the first number (minuend) then subtract the thousands $4527-\underline{2000}=\underline{2} 527$ <br> Alternatively you could count back in steps of one thousand from the minuend. |
| *Subtract a 3-digit multiple of 10 froma 3-digit number. | 345-130 If all the digits on the second number (subtrahend) can be subtracted then solve by portioning. For 345-130, you would do $300-100=200,40-30=10$ and $5-0=5$ then recombine $200+10+5=215$ <br> 546-270 If all or some of the digits in the subtrahend are more than the minuend then use partitioning to solve. For 546270 , you would partition 270 in $\underline{200}$ and $\underline{70}$ and so $546-200=346$ then subtract 70 to get 276 . <br> OR using the counting up method. For 546-270, start with 270 , add 30 to get to 300 then add 200 to get to 500 then add 46 to get to 546. Then recombine $30+200+46=276$ |
| *Subtract a 3-digit multiple of 10 froma 4 or 4-digit number e.g. 4000-340. | 200-27 Use knowledge of place value and partitioning to solve. Partition 27 into $\underline{20}$ and $\underline{7}$ and subtract each part from 200. 200-20 $=180$ and useknowledge of number bonds that $10-7=3$ so $180-7=$ 173. <br> Or use the counting on method to find the difference. If I start with 27 and add 3 , I get to 30 then I need to add 70 more to get to 100 then another $\underline{100}$ <br> more to get to 200 . I then recombine 3 and 70 and 100 so $200-27=173$. |
| * Subtract a 2/3-digit number from a3/2-digit number, including crossing boundaries. | 237-24 If the ones and tens can be subtracted without exchange then subtract by partitioning. 237-24 would be 237-20=217 and then subtract $4=213$. <br> 432-171 If the ones or tens in the second number (subtrahend) is more than the first number (minuend) then use partitioning to solve. For 242-171 you couldpartition 171 into $100, \underline{70}$ and 1 first. Then subtract from the minuend. $432-100=332$ then $332-70=262$ then $263-1=261$ so $432-171=261$ <br> Or use the counting on method to find the difference. If I start with 171 and add 29 I get to 200 then I need to add 200 more to get to 400then another 32 more to get to 432 . I then recombine 29 with 200 with 32 to get 261 so $432-171=261$ |
| *Subtract near multiples of 10, 100 and 100 then adjust. | 543-29 When subtracting 29 you would subtract 30 ( 1 more than 29 ) from the minuend then add 1 because 30 is actually one more than 29 . For 543-29, youwould do $543-3 \underline{0}=513+1=514$ <br> 543-299 When subtracting 299 you would subtract 300 ( 1 more than 299) from the minuend then add 1 because 300 is actually one more than 299 . For $543-299$, you would do $543-300=243+1=244$. <br> 5437-3999 When subtracting 3999 you would subtract 4000 ( 1 more than 3999 ) from the minuend then add 1 because 4000 is actually one more than 3999. <br> For 5437-3999, you would do 5437-4000=1437+1=1438 |

Subtract a 4-digit numbe and hundreds including crossing boundaries.
*Subtract a 4-digit number and thousands including crossing undaries
*Subtract a 3-digit multiple of 10 froma 3-digit number
*Subtract a 3-digit multiple of froma 4 or 4-digit number e.g. 4000-340

* Subtract a 2/3-digit number from a3/2-digit number, including crossing boundaries.
*Subtract near multiples of 10, 100 and100 then adjust.

If the hundreds in the second number (subtrahend) can be taken from the first number (minuend) then subtract the hundreds $8 \underline{754-400=8354}$
2543-700 If the hundreds in the subtrahend are more than the minuend then use partitioning to solve. For 2543-700 you would partition 700 into 500 and 200 andthen $2543-500=2043-200=1843$.

4527-2000 If the thousands in the second number (subtrahend) can be taken from the first number (minuend) then subtract the

Alternatively you could count back in steps of one thousand from the minuend. $300-100=200,40-30=10$ and $5-0=5$ then recombine $200+10+5=215$ 270 , you would partition 270 in $\underline{200}$ and $\underline{70}$ and so $546-200=346$ then subtract 70 to get 276 . OR using the counting up method. For 546-270, start with 270 , add 30 to get to 300 then add 200 to get to 500 then add 46 to get to 546. Then recombine $+46=276$ each part from 200. 200-20= 180 and useknowledge of number bonds that $10-7=3$ so $180-7=$ 173.

Or use the counting on method to find the difference. If I start with 27 and add 3 , I get to 30 then I need to add 70 more to get to 100 then another 100
to get to 200. I then recombine 3 and 70 and 100 so $200-27=173$.

## then subtract $4=213$

432-171 If the ones or tens in the second number (subtrahend) is more than the first number (minuend) then use partitioning to solve. For 242-171 you couldpartition 171 into $100, \underline{70}$ and 1 first. Then subtract from the minuend. $432-100=332$ then $332-70=262$ then $263-1=261$ so $432-171=261$
counting on method
I need to add 200 more to get to 400then another 32 more to get to 432. I then recombine 29 with
When subtracting 29 you would subtract 30 ( 1 more than 29 ) from the minuend then add 1 because 30 is actually one more than 29 . For 543-29, youwould do $543-3 \underline{0}=513+1=514$ actually one more than 299 . For $543-299$, you would do $543-300=243+1=244$.
5437-3999 When subtracting 3999 you would subtract 4000 ( 1 more than 3999 ) from the minuend then add 1 because 4000 is actually one more than 3999.

For 5437-3999, you would do $5437-4000=1437+1=1438$

## Year 4 Calculation Methods

|  | Objective and Strategies | Concrete | Pictorial | Abstract |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { ォ } \\ & \text { 亏ু } \\ & \underset{\sim}{2} \end{aligned}$ | To subtract numbers with up to 4 digits using a formal written method. | Use base 10 to make the number (minuend) then regroup by exchanging a ten for ten ones, a hundredfor ten tens or a thousands for ten hundreds wherenecessary so that you can subtract the subtrahend <br> Step 1: Make the minuend. <br> Step 2: Exchange 1 ten for 10 ones. <br> Step 3: Subtract one hundred, 1 ten and 7 ones. | Children draw pictorial representations to show the regrouping in order to find the difference. | Formal written method Children use a condensed method of subtraction, includingexamples with multiples exchanges. $\begin{array}{r} 2754-1568=1186 \\ 5^{214} 4 \\ 2754 \\ -\begin{array}{r} 15 \end{array} \\ \frac{1568}{1186} \end{array}$ |


| To subtract numbers with up to 4 digits using a formal written method, including decimals to two decimal places. <br> To subtract amounts of money to give changeadapted from year 3 | Use the place value counters to make the number (minuend) then regroup by exchanging, where necessary: a thousand for ten hundreds, a hundred for ten tens, a ten for ten ones, a one for ten tenthsand ten tenths for a hundredth so that you can subtract. <br> $£ 1.45-28 p=£ 1.17$ <br> Step 1: Make the number <br> Step 2: <br> Exchange *because you can't subtract 8 from 5. Children will need to exchange 10p for $10 \times 1 \mathrm{p}$. <br> Step 3: <br> Subtract to solve |
| :---: | :---: |

Children draw pictorial representations toshow the regrouping in order to find the difference.

$$
£ 1.45-28 p=£ 1.17
$$


$1+0.10+0.07=1.17$

## Formal written method

Children complete subtractions involving decimals which are presented in word problem format. They use zeros for place holders and know that decimal points should line up under each other.

Bella spends 28p in the shop.
She spends $£ 1.45$ of her pocket money. How muchchange will she receive?


## Year 5

| Skill | Strategy |  |
| :---: | :---: | :---: |
| *Subtract a 4/5-digit multiple of 100 . | 5400-3900 | For large numbers use knowledge of place value to solve. For 5400-3900, make each number 100 times smaller and do $54-39=15$ then make thesolution 100 times bigger. $15 \times 100=1500$ so $5400-3900=1500$. Or use the counting on method. For 5400-3900, start with 3900, add 100 to get to 4000 the another 1000 to get to 5000 then another 400 to get to 5400 . Next recombine $100+1000+400=1500$ so $5400-3900=1500$ |
| *Subtract near multiples of 10, 100, 1000, 10,000 then adjust, including crossing boundaries. | $\begin{aligned} & 2335-\underline{-58} \\ & 2345-\underline{297} \\ & 5438-\underline{3995} \end{aligned}$ | Subtract the nearest multiple of $10(60)$ then add 2 because 58 is two more than 60 $2335-60=2275-+2=2277$ <br> Subtract the nearest multiple of $100(300)$ then add 3 because 300 is three more than 297 $2345-\underline{300}=2045+\underline{3}=2048$ <br> Add the nearest multiple of 1000 (4000) then add 5 because 4000 is five more than 3995 $5438-4000=1438+\underline{5}=1443$ |
| *Subtract tenths from a 1-digitwhole number and tenths. | 5.7-0.4 6.5-0.7 | If the tenths in the second number (subtrahend) are smaller than the tenths in the first number (minuend) then subtract the tenths and onesseparately $5.7-0.4=5.3$ <br> If the tenths in the second number (subtrahend) are larger than the tenths in the first number (minuend) then use your knowledge of numberbonds to partition. For 6.5-0.7, partition 0.7 into $\underline{0.5}$ and $\underline{0.2}$. Then subtract $\underline{0.5}$ from 6.5 to get 6 then subtract $\underline{0.2}=5.8$ so $6.5-0.7=5.8$ |
| *Subtract two 1-digit whole numbersand tenths. | 4.7-2.5 $6.4-3.7$ | If the ones and tenths in the second number (subtrahend) are smaller than the ones and tenths in the first number (minuend) then subtractthe tenths and ones separately. For 4.7-2.5, subtract the ones 4 $2=\underline{2}$ and then the tenths $0.7-0.5=\underline{0} .2$ then recombine. $4.7-2.5=2.2$ <br> If the tenths in the second number (subtrahend) are larger than the tenths in the first number (minuend) use your knowledge of place valueto solve. Make both numbers ten times bigger then calculate $64-37=27$. To adjust make your answer 10 times smaller $27 \div 10=2.7$ so $6.4-3.7=2.7$ |


| *Subtract 2-digit numbers withtenths and hundredths. | $0.46-0.23$ $0.76-0.59$ | If the ones, tenths and hundredths in the second number (subtrahend) are smaller than the ones and tenths in the first number (minuend)then subtract the hundredths, tenths and ones separately. For $0.46-0.23$ subtract the ones $0-0=\underline{0}$, subtract the tenths $0.4-0.2=\underline{0} .2$ then subtract the hundredths $0.06-0.03=0.03$ then recombine $0+0.2+0.03=0.23$ <br> If the tenths/ hundredths in the second number (subtrahend) are larger than the tenths/ hundredths in the first number (minuend) use yourknowledge of place value to solve. Make both numbers 100 times bigger then calculate $76-59=17$ To adjust make your answer 100 times <br> smaller $17 \div 100=0.17$ so $0.76-0.59=0.17$ |  |
| :---: | :---: | :---: | :---: |
| *Subtract a 1-digit whole numberand tenths from a whole number. | 8-5.6 Use the counting on method to find the difference. If I start with 5.6 and add 0.4 , I get to 6 then I need to add 2 more to get to 8 . <br> I then recombine 0.4 and 2 so $8-5.6=2.4$ |  |  |
| Objective and Strategies | Concrete | Pictorial | Abstract |

To subtract numbers with more than 4 digits.

Use the place value counters to make the number (minuend) then regroup by exchanging, where necessary: a thousand for ten hundreds, a hundred for ten tens, a ten for ten ones, a one for ten tenths and ten tenths for ahundredth so that you can subtract.

## 31056 - $2128=\mathbf{2 8}, 928$

Step 1- M take the number.


Step 2- Exchange.


Step 3- Subtract to solve.


Children draw pictorial representations toshow the regrouping in order to find how many are left.
$31056-2128=28,928$


## Formal written method

Children use a condensed method of subtraction including those with different numbers of digits.
$31056-2128=\mathbf{2 8}, 928$


| To solve problems involving measureusing decimal notation up to three decimal places. | Use the place value counters to make the number then regroup by exchanging, where necessary: a thousand for ten hundreds, a hundred forten tens, a ten for ten ones, a one for ten tenths, a hundredths for ten tenths and a thousandth for ten hundredths. <br> $105.419 \mathrm{~kg}-36.080 \mathrm{~kg}$ <br> Step one- Make the number. <br> Step 2- Exchange. <br> Step 3-Subtract to solve. | Children draw pictorial representations toshow the regrouping in order to find the difference. <br> $105.419 \mathrm{~kg}-36.080 \mathrm{~kg}$ | Formal written method <br> Children complete subtractions involving decimals which are presented in word problem format. They usezeros for place holders and know that decimal points should line up under each other. <br> 105.419kg - 36.080kg $\begin{array}{r} 1815 \cdot 3 \mathrm{k} 19 \mathrm{~kg} \\ -\quad 36.080 \mathrm{~kg} \\ \hline 69.339 \mathrm{~kg} \end{array}$ |
| :---: | :---: | :---: | :---: |

## Year 6

## Year 6 Calculation Methods

Key Vocabulary: subtract, take away, difference between, how many are left/ left over? How many are gone?, one less, two less, ten less, hundred less. How many fewer is...than...? How much lessis...? tens boundary, hundreds boundary, one boundary, tenths boundary, inverse, minuend, subtrahend, difference.

Counting Fluency: To consolidate counting backwards and forwards in steps of $2 \mathrm{~s}, 3 \mathrm{~s}, 4 \mathrm{~s}, 5 \mathrm{~s}, 6 \mathrm{~s}, 7 \mathrm{~s}, 8 \mathrm{~s}, 9 \mathrm{~s}, 10 \mathrm{~s}, 11 \mathrm{~s}, 12 \mathrm{~s}, 100 \mathrm{~s}, 1000 \mathrm{~s}$ and $10,000 \mathrm{~s}$ from any starting number.

## Mental Strategies

| Skill | Strategy |
| :--- | :--- | :--- |
|  | $* * *$ Reconsolidate all strategies from Y4 and 5. $* * *$ |

*Subtract any number with up to
threedecimal places from a whole number.

| 4-0.34 | Use the counting on method and knowledge of place value to find the difference. If I start with 0.34 and add 0.66 , I get to 1 then Ineed to add 3 more to get to 4 . I then recombine 0.66 and 3 so $4-0.34=3.66$ |
| :---: | :---: |
| 14-0.432 | Use the counting on method and knowledge of place value to find the difference. If I start with 0.432 and add 0.568 , I get to 1 thenneed to add 13 more to get to 14 . I then recombine 0.568 and 13 so $14-0.432=13.568$ |

To subtract
numbers with
increasingly
large and complex numbers.

## Year 6

Use the place value counters to make the number (minuend) then regroup byexchanging, where necessary: a thousand for ten hundreds, a hundred for ten tens, a ten for ten ones, a one for ten tenths and ten tenths for a hundredth so that you can subtract.
$\mathbf{3 1 0 5 6 - 2 1 2 8 = 2 8 , 9 2 8}$

Step 1- Make the number
Step 2- Exchange.
Step 3-Subtract to solve.


Children draw pictorial representations toshow the regrouping in order to find how many are left.
$31056-2128=28,928$


Formal written method Children use a condensed method of subtraction including those with different numbers of digits.

31056-2128 = 28,928



