



Year 3
Maths
04/11/2020



Lesson Aims

- To use expanded subtraction to find answers to questions
- To use expanded addition to find answers to problems

- **Success Criteria**

- I can set out my work correctly
- I can partition a number into hundreds, tens and units
- I can exchange a ten
- I can subtract the units
- I can subtract the tens
- I can subtract the hundreds
- I can recombine to find the answer
- I can exchange ten units for 1 ten
- I can exchange ten tens for one hundred.



Fluency Starter

- Round these numbers to the nearest 10
- Remember 0, 1, 2, 3, 4 you round down but 5, 6, 7, 8, 9, you round up to the nearest 10.
- 78
- 54
- 89
- 32
- 145
- 453



Fluency Starter Answers

- Round these numbers to the nearest 10
- Remember 0, 1, 2, 3, 4, you round down but 5, 6, 7, 8, 9 you round up to the nearest 10.
- $78 = 80$
- $54 = 50$
- $89 = 90$
- $32 = 30$
- $145 = 150$
- $453 = 450$



Main Teaching

- Let's remember how to do expanded addition.

- $347 + 224 =$

$$\begin{array}{r} 300 \quad 40 \quad 7 \\ 200 \quad 20 \quad 4 \\ \hline \end{array} +$$

=



Main Teaching answer

- Let's remember how to do expanded addition.

- $347 + 224 = 571$

$$\begin{array}{r} 300 \quad 40 \quad 7 \\ 200 \quad 20 \quad 4 \quad + \\ \hline 500 \quad + 60 + 11 = 571 \end{array}$$



Fluency

- $246 + 137 =$

- $266 + 167 =$



Fluency answers

- $246 + 137 = 383$

- $266 + 167 = 433$



Fluency

- When we see sums like this it is easy to know what to do with them because the sign + or - tells us.
- $35 + 24 =$
- $67 - 23 =$
- Sometimes we have to be maths detectives and try and work out which operation we need to use. There are words that can give us a clue.



Sort these words to match the symbols.

subtract halve subtraction
less altogether
add make left over addition
minus fewer take away
plus more
total sum





Fluency Activity

- **Write the number sentence.**
- Two football teams are playing a match. One team has 156 fans at the match, the other has 136. How many fans are at the match in total?



Fluency Activity Answers

- Write the number sentence.
- Two football teams are playing a match. One team has 156 fans at the match, the other has 136. How many fans are at the match in total?
- $156 + 136 = 292$



Fluency Activity

- **Write the number sentence.**
- A farmer has 286 sheep. He sells 164 of them at market.
- How many fewer sheep does he have now?



Fluency Activity Answers

- Write the number sentence.
- A farmer has 286 sheep. He sells 164 of them at market.
- How many fewer sheep does he have now?

$$286 - 164 = 122$$



Activity

- Complete the number sentences for the word problems. This is on the next slide. Tomorrow you'll be solving the number sentences.



A bottle of Fizzy Pop
lemonade holds 72ml
Jane drinks 43 ml.
How much lemonade
is still in the bottle?



Jason has saved
money to buy a new
bike. He has saved a
£84. The bike he
wants is in the sale
and only costs £46.
How much money will
he have left after he
has bought the bike?



At St Patrick's
School there are
124 children in
Key Stage 1 and
138 children in
Key Stage 2.
How many
children are there
in the school in
total?



To make a cake Roger
needs 125g of sugar
and 137g of butter.
How heavy are the
ingredients when they
are put together?



Hannah wanted a toy
which cost £35 She
had £53 in her purse.
How much money
would she have left
when she bought the
toy?



A farmer has 83 cows.
He moves them to a
new field. When he
gets there he counts
only 56. How many
has he left behind?



LO: I can solve addition and subtraction word problems.

SC: I can find the important words and numbers.

I can decide which operation to use.

I can write an addition or subtraction number sentence.

I can use a formal method of addition or subtraction to
solve the problem