

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
- \cdot 145 = 150
- •453 = 450

Main Teaching

• Let's remember how to do expanded addition.

$$\cdot$$
 3 4 7 + 2 2 4 =

$$300 40 7$$
 $200 20 4 +$

=

Main Teaching answer

Let's remember how to do expanded addition.

•
$$347 + 224 = 571$$

$$300$$
 40 7
 200 20 4 +
 500 $+60$ $+11$ $=571$



Fluency



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.







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?
- \cdot 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

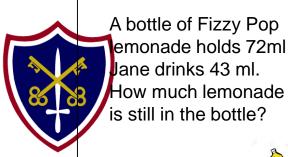
- Write the number sentence.
- A farmer has 286 sheep. He sells 164 of them at market.
- How many fewer sheep does he have now?

$$286 - 164 = 122$$



Activity

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





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 a formal method of addition or subtraction to solve the problem