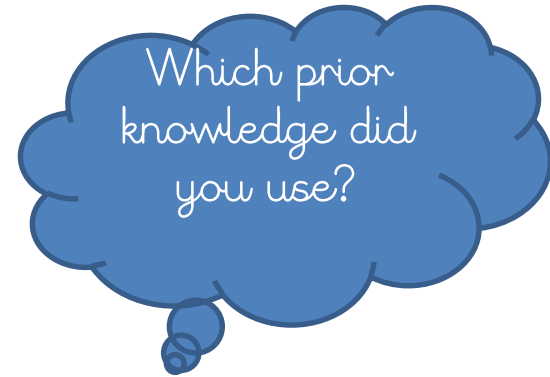




Linked to your previous learning:

What different words can you write for the following symbols?

+

-

Mrs Barlow had 136 pieces of work on the display and Miss Goodrick had 97. How many pieces of work are there altogether on the Year 5 display?

What key vocabulary tells you what calculation to do?
What is the answer to the word problem?

How many more pieces are needed so that there are 300 pieces of work on display?

WALT: Solve + and -
word problems

Introduction

1. When Claire opened her book, she saw two numbered pages.

The sum of these two pages was 317.

What would the next page number be?

2. Adam is twice as old as Barry.

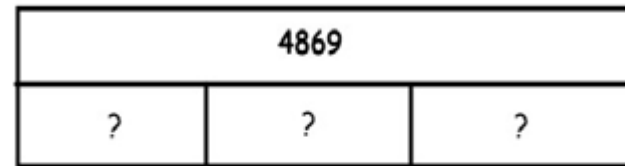
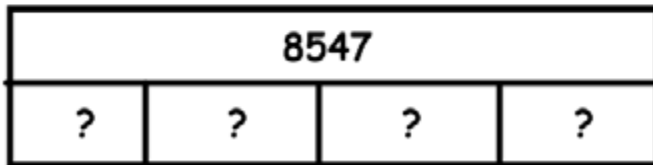
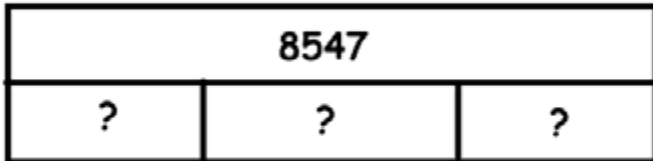
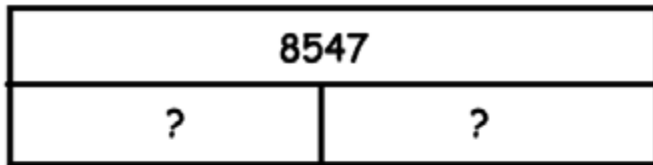
Charlie is 3 years younger than Barry.

The sum of all their ages is 53.

How old is Barry?

Introduction

3. Solve the following. Find two examples for each bar model.



4000 1217 1387 430 1892
1482 350 714
519 155 439 925
3000 944 1760 2000

Key Vocabulary

- Subtract
- Minus
- Difference
- Less than
- Partition
- Count back
- Add
- Plus
- Addition
- Column method
- Carry
- Count on

What will a WAGOLL for solving +
and - word problems include?

Fluency - Do it!

1. There are 134 books in the library. 47 are non-fiction books and 26 of the remaining fiction books have a red cover. How many fiction books do not have a red cover?
2. Fred's book has 307 pages. He is on page 169. He reads another 52 pages. How many pages has he got left to read?
3. Mary has 724 key rings in 3 boxes different coloured boxes. 145 are in a red box, 38 are in a green box and the remaining key rings are in a blue box. How many key rings are there in the blue box?

Fluency - Do it! ANSWERS

1. There are 134 books in the library. 47 are non-fiction books and 26 of the remaining fiction books have a red cover. How many fiction books do not have a red cover?

61

2. Fred's book has 307 pages. He is on page 169. He reads another 52 pages. How many pages has he got left to read?

86

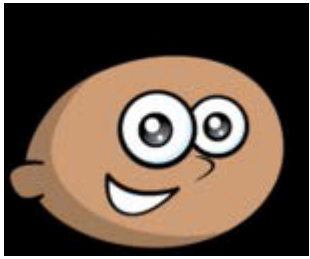
3. Mary has 724 key rings in 3 boxes different coloured boxes. 145 are in a red box, 38 are in a green box and the remaining key rings are in a blue box. How many key rings are there in the blue box?

541

Reasoning - Secure it!

A milkman has 250 bottles of milk.

He collects another 160 from the dairy and delivers 375 during the day. How many does he have left?



Sam

This is my method:

$$375 - 250 = 125$$

$$125 + 160 = 285$$

Do you agree with Sam's answer? Explain why using your maths sentence starters and key vocabulary in your explanation.

Reasoning - Secure it! ANSWERS

No.

Sam has used the wrong numbers to subtract. He should have added 160 and 250 because these are the bottles he has to sell (410). He should then have subtracted 375 from 410 to leave 35

Problem solving - Deepen it!

On Monday, Dupree was paid £114

On Tuesday, he was paid £27 more than Monday.

On Wednesday, he was paid £27 less than Monday.

How much was Dupree paid in total?

How many calculations did you do?

Was there a more efficient way?

Problem solving - Deepen it!

ANSWERS

1. £342

You may have calculated:

$$£114 + £27 = £141$$

$$£114 - £27 = £87$$

$$£114 + £141 + £87 =$$

$$£342$$

But the most efficient method was using the knowledge that +27 and

-27 cancel each other out and you

can then do $£114 \times 3$. If you didn't use the most efficient method, include it after your own.

Plenary

Remember to use an emoji to show how well you understood the WALT.



(Blooms: knowledge)

For these calculations, I used recall of my... facts



A library has 7,017 fiction books and 2,468 fewer non-fiction books. There are 4,708 books in total in the children's section of the library. How many books are in the adult's section of the library?