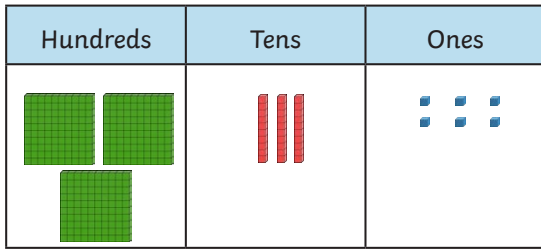


Add and Subtract 100s



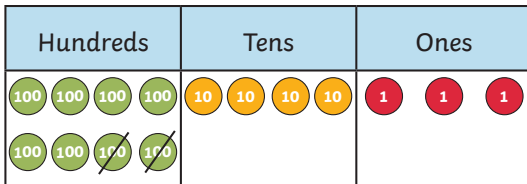
1) Zeke has made a number using base ten.



What number will he have if he adds each of the following?

- a) 2 hundreds b) 5 hundreds c) 6 hundreds

2) Elena has used a place value chart and counters to work out $843 - 200$.



Use this method to complete these calculations.

- a) $843 - 300$
 b) $843 - 400$
 c) $843 - 700$
 d) $843 - 800$

3) Complete the table.

- 400	Number	+ 400
		963

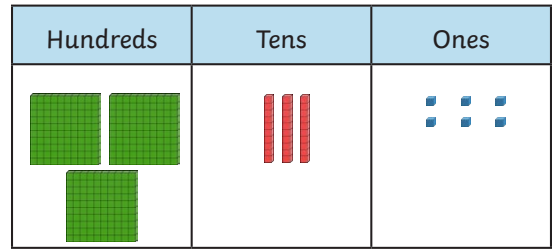
4) Abi wants to collect 942 sparkly gems. She has collected 542 sparkly gems already and adds 100 new gems every week. How many more weeks will it take her to reach 942 gems?



Add and Subtract 100s



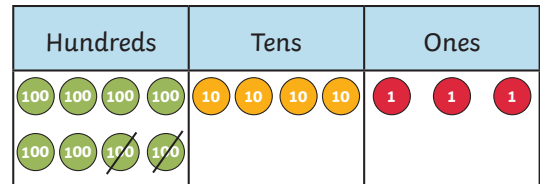
1) Zeke has made a number using base ten.



What number will he have if he adds each of the following?

- a) 2 hundreds b) 5 hundreds c) 6 hundreds

2) Elena has used a place value chart and counters to work out $843 - 200$.



Use this method to complete these calculations.

- a) $843 - 300$
 b) $843 - 400$
 c) $843 - 700$
 d) $843 - 800$

3) Complete the table.

- 400	Number	+ 400
		963

4) Abi wants to collect 942 sparkly gems. She has collected 542 sparkly gems already and adds 100 new gems every week. How many more weeks will it take her to reach 942 gems?



Add and Subtract 100s



- 1) Is each child's statement always, sometimes or never true? Explain why.

The tens and ones digits will not change when you subtract a multiple of 100.



Emily

If you add a multiple of 100 to a three-digit number, the answer will have a 0 in the ones column.



Hari

The tens digit changes when you add a multiple of 100 to a three-digit number.



Priya

- 2) Identify and correct any mistakes in the boxes within the children's calculations. Explain your reasoning.



$$134 + \boxed{600} = 534$$

Amrit



$$867 - \boxed{200} = 667$$

Bartek



$$645 - 300 > \boxed{45} + 300$$

Zeke

- 3) Explain how calculation A can help you work out calculation B.

A $7 + 2$

B $700 + 200$



Add and Subtract 100s



- 1) Is each child's statement always, sometimes or never true? Explain why.

The tens and ones digits will not change when you subtract a multiple of 100.



Emily

If you add a multiple of 100 to a three-digit number, the answer will have a 0 in the ones column.



Hari

The tens digit changes when you add a multiple of 100 to a three-digit number.



Priya

- 2) Identify and correct any mistakes in the boxes within the children's calculations. Explain your reasoning.



$$134 + \boxed{600} = 534$$

Amrit



$$867 - \boxed{200} = 667$$

Bartek



$$645 - 300 > \boxed{45} + 300$$

Zeke

- 3) Explain how calculation A can help you work out calculation B.

A $7 + 2$

B $700 + 200$



Add and Subtract 100s



- 1) What calculations could Bartek have done? Find at least three possibilities.



Bartek

I subtracted a multiple of 100 and then added a different multiple of 100, without going over 1000 or into negative numbers.

I made the number 585.

- 2) Follow the instructions to find the treasure. You can move horizontally, vertically or diagonally, one square at a time.

227	327	527
337	427	627
927	827	227
117	727	127

start at 327

add 300

subtract 400

add 600

subtract 100



- a) Which number is the treasure hidden under?

- b) When you start at 327, which numbers on the grid will you never be able to land on by adding and subtracting multiples of 100? Explain why.

- 3) Felix has 583 football cards and gives 200 of them to Drew.

Jia has 625 football cards and gives 300 of them to Felix.

Drew has 717 football cards. They give 200 of them to Jia and gives 100 of them to Felix.

How many cards do they each have after all the exchanges?



Add and Subtract 100s



- 1) What calculations could Bartek have done? Find at least three possibilities.



Bartek

I subtracted a multiple of 100 and then added a different multiple of 100, without going over 1000 or into negative numbers.

I made the number 585.

- 2) Follow the instructions to find the treasure. You can move horizontally, vertically or diagonally, one square at a time.

227	327	527
337	427	627
927	827	227
117	727	127

start at 327

add 300

subtract 400

add 600

subtract 100



- a) Which number is the treasure hidden under?

- b) When you start at 327, which numbers on the grid will you never be able to land on by adding and subtracting multiples of 100? Explain why.

- 3) Felix has 583 football cards and gives 200 of them to Drew.

Jia has 625 football cards and gives 300 of them to Felix.

Drew has 717 football cards. They give 200 of them to Jia and gives 100 of them to Felix.

How many cards do they each have after all the exchanges?

