Addition and Subtraction Unit 3

Problem solving and reasoning questions

Write the digits which will change when you do the following calculations.

(i) 367 – 31 = (ii) 405 + 200 =
(iii) 539 – 201 = (iv) 874 + 30 =

Write the missing digits:

8□ 5 + 33 = 918 74□ – 42 = 701 □ 56 – 236 = 4□0

True or false?

If you start with a 3-digit number and subtract 99 you will always have to change exactly 2 digits.

These questions should be provided for children to do once the unit has been completed. They assess the children's mastery of the skills and concepts in this unit.

Addition and Subtraction Unit 3

Problem solving and reasoning questions

Write the digits which will change when you do the following calculations.

(i) 367 – 31 = 336 10s and 1s change.
(ii) 405 + 200 = 605 100s change.
(ii) 539 – 201 = 338 100s and 1s change.
(iv) 874 + 30 = 904 100s and 10s change.

Write the missing digits:

885 + 33 = 918 743 – 42 = 701 656 – 236 = 420

True or false?

If you start with a 3-digit number and subtract 99 you will always have to change exactly 2 digits.

This is false when the final digit is a 9, e.g. 369 – 99 = 270 but true in other cases. For example, starting with 662 or 478 gives 563 and377 respectively, with the 100s and 1s changing and the 10s staying the same. Since the number of instances where the statement is true are far greater, children may try 3 or 4 examples and believe it to be true.

These questions should be provided for children to do once the unit has been completed. They assess the children's mastery of the skills and concepts in this unit.

