Mathematics

Delprov C

Elevhäfte

1c

Elevens namn och klass/grupp

Skolverket

Instructions – Part C

Name: _____

Date of birth: _____

Secondary program: _____ Class:_____

**Also write your name, date of birth, secondary program
and class on the sheets you hand in.**

Illustration: Jens Ahlbom

14. Think of a number

Play with numbers
- Think of a two-digit positive integer
- Calculate the sum of the digits.
- Subtract the sum of the digits from the number you were thinking of.

Example

I am thinking of the number 68

The sum of the digits is 6+8=14

68 − 14 = 54   Answer = 54

➜ Think of a new integer, and play the number game.

➜ Repeat the game with new integers until you discover what the results have in common. What do the numbers (results) have in common?

➜ Show that your discovery is true for all two-digit positive integers.
Clue: The value of the two-digit number ab is written as $10 \cdot a + b$

➜ Investigate whether your discovery is also true for three-digit positive integers.   (3/5/4)

KEEP IN MIND THAT YOU HAVE TO SHOW HOW YOU HAVE REACHED THE ANSWERS ON ALL PARTS OF THE TASK.

When assessing your work, the teacher will consider
- what mathematical knowledge you have shown and how well you have carried out the task
- how well you have explained your work and given reasons for your conclusions
- how well you have presented your work

PRIM
gruppen