

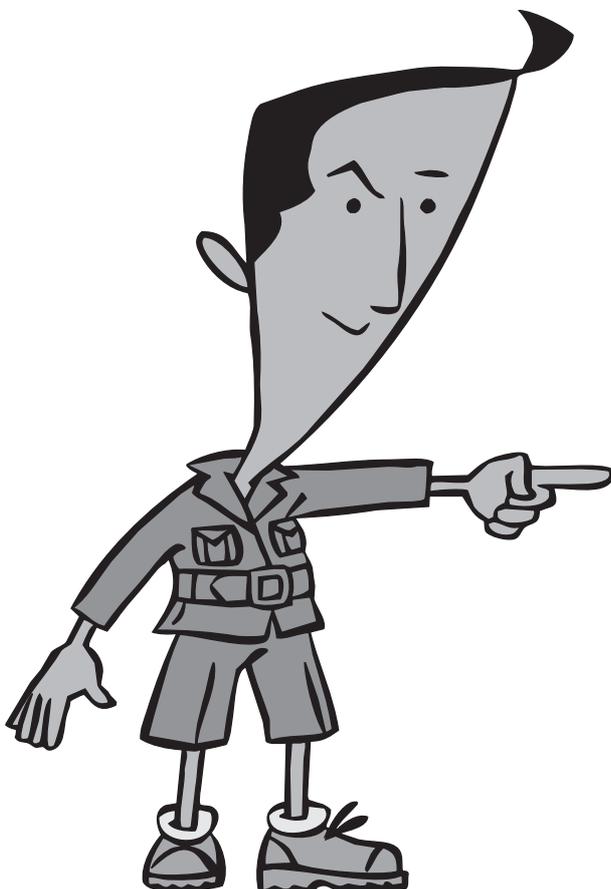
Answers

ACTIVITY SHEET 5 Sam Lava Lucky Locks

1. 26, 30 Rule: Add 2
2. 100, 75, 5 Rule: Subtract 25
3. 95, 76, 38 Rule: Subtract 19

ACTIVITY SHEET 7 Sam Lava Symmetry greetings

1. The message is HELLO



ACTIVITY SHEET 9 Sam Lava Symmetrical Numbers

- 1a. 808, 888, 818, 181 and 111 are symmetrical on both the horizontal and vertical axes

100, 800, 110, 880, 188 and 881 are symmetrical on the horizontal axis
- b. 80, 10, 88, 11, 81 and 18
- c. Any numbers made up of the digits 0, 1 and 8 will be symmetrical (at least in the horizontal axis).
- 2a. 2673
- b. The differences are all 2673
- c.&d. Pairs of palindromic numbers do not all have the same differences, but they do when the difference between the digits is the same, e.g. the pairs 1441 and 4114, 5885 and 8558, and 3663 and 6336 all have the difference 2673, and all have digits that differ by 3.
3. 347743, 374473, 734437, 437734, 473374 and 743347 (there are 6 palindromes)