GRADE 3 / 3.OA.A.1 / 3.OA.A.2 / TEACHER KEY

The Missing Library Key

Answers to the six clues

01	Four shelves hold 6 books each. How many books are there?	24
02	Three tables have 6 pencils each. How many pencils are there?	18
03	Share 21 bookmarks equally among 3 groups. How many per group?	7
04	Two groups have 7 bookmarks each. How many altogether?	14
05	Arrange cards in 4 rows of 9. How many cards are there?	36
06	Share 30 cards equally among 5 students. How many each?	6

Code reasoning

A = ones digit of (answer 1 + answer 2): 24 + 18 = 42 -> 2

B = ones digit of (answer 4 - answer 3): 14 - 7 = 7 -> 7

C = ones digit of (answer 5 - answer 6): 36 - 6 = 30 -> 0

The code is 270. The key is in Ava's locker.

Ask the student to explain each code digit, then check units and remainders before showing this key.