GRADE 3 / 3.OA.A.3 / 3.OA.C.7 / TEACHER KEY

The Christmas Gift-Tag Code

Answers to the six clues

01	Seven trays hold 8 paper stars each. How many stars are there?	56
02	Share 63 ribbon strips equally among 9 teams. How many strips does each team get?	7
03	Each of 5 tables has 6 paper trees. How many paper trees are there?	30
04	Four boxes contain 9 greeting cards each. How many cards are there?	36
05	Arrange gift boxes in 3 rows of 8. How many gift boxes are there?	24
06	Share 48 craft bells equally among 6 teams. How many bells does each team get?	8

Code reasoning

A = answer 1 divided by answer 2: 56 / 7 = 8 -> 8

B = ones digit of (answer 3 + answer 4): 30 + 36 = 66 -> 6

C = answer 5 divided by answer 6: 24 / 8 = 3 -> 3

The code is 863. The gift tags are on the Star shelf.

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