GRADE 4 / 4.NBT.B.6 / MATH MYSTERY WORKSHEET

The Long-Division Detective

A science-fair project file was left in one of four drawers. Divide carefully, use the remainders, and build the code that identifies its drawer.

Show the quotient for every division. For clues 3 and 4, also write the remainder. Then follow the three code rules.

Six math clues

01 156 cards are shared equally among 4 teams. How many per team? Answer: _____	02 128 cards are shared equally among 4 teams. How many per team? Answer: _____
03 127 tickets are shared among 3 classes. Give quotient and remainder. Answer: _____	04 95 tickets are shared among 4 classes. Give quotient and remainder. Answer: _____
05 168 beads go into 6 trays equally. How many per tray? Answer: _____	06 132 beads go into 6 trays equally. How many per tray? Answer: _____

Build the code

A = quotient in answer 1 - quotient in answer 2: _____

B = remainder in answer 3 + remainder in answer 4: _____

C = quotient in answer 5 - quotient in answer 6: _____

Code: [A] [B] [C]

Maple drawer - 746	Oak drawer - 764
Pine drawer - 748	Cedar drawer - 646

Found at: _____