

1

The Treasure Box

12
3

Rocchi Family Jewels,
1853



Lorenzo Rocchi was sorting through the piles of old belongings in his Grandfather's garage when he came across an unusual-looking chest. When he looked carefully at the top, he could see the words 'Rocchi Family Jewels, 1853' scratched into the wood.

Lorenzo was excited: would he discover some long, lost secrets about his family? Could the jewels even make him rich? However, when he tried to open the box, the two bolts were locked shut. A 2-digit code was needed to open each bolt – but Lorenzo had no way of working them out.

Then, as he continued to search, Lorenzo found the following note:

Rocchi

Code 1 (left bolt):

- Odd
- Multiple of 3
- Not a multiple of 5
- Difference between digits 4

Code 2 (right bolt):

- Multiple of 4
- Not a multiple of 7
- Sum of digits 11

Can you work out the 2-digit codes that Lorenzo needs to open bolt 1 and bolt 2?