

Let's Crack the Code

Part 2



Challenge 4 -

Let's find the 4 digit to open the padlock.

$$\begin{array}{ccccccccc}
 \text{🍰} & + & \text{🍰} & + & \text{🍰} & = & 21 \\
 7 & + & 7 & + & 7 & = & 21
 \end{array}$$

$$\begin{array}{ccccccccc}
 \text{🍰} & + & \text{🎈} & + & \text{🎈} & + & \text{🎈} & = & 25 \\
 7 & + & 6 & + & 6 & + & 6 & = & 25
 \end{array}$$

$$\begin{array}{ccccccccc}
 \text{🍰} & + & \text{🎈} & - & \text{🍰} & - & \text{🍰} & = & 3 \\
 7 & + & 6 & - & 5 & - & 5 & = & 3
 \end{array}$$

$$\begin{array}{ccccccccc}
 \text{🍰} & + & \text{🍰} & - & \text{🎈} & = & \boxed{6} \\
 7 & + & 5 & - & 6 & = & 6
 \end{array}$$

The fourth digit is 6.

Challenge 5 –

These birthday cards will provide you with your last digit.
Find the total cost of all the cards.

Double €1



Half €5



3 coins of 50c.



100 c



€5 - €2



25 c + 20 c + 5 c + 2 c



Total Cost - €2 + €2.50 + €1.50 + €1 + €3 + €0.52 = €10.52

The last digit is 2.

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6 5 8 2 3

You managed to open the padlock. In the box you find a stay safe at home kit. In it you find a book to read, a new playstation game, some water colours and brushes. WELL DONE!