



Crack the Code with SuperM



Hello children! Can you help me crack the code of the padlock so that I can open up the chest.

You have 3 riddles to solve, in order to find the 3 numbers to open the padlock.

You can use the number line or any other concrete resources to solve the riddles.

Riddle 1 -

1. It is not $5 + 2$.
2. It is not $12 - 6$.
3. It is not half of 10.

4	7 ✕
6 ✕	5 ✕

The 1st number to open the padlock is **4**.

●	●	●	●	●	●	●	●	●	●	●
0	1	2	3	4	5	6	7	8	9	10

Riddle 2 –

- It is not the next number in the sequence.
0, 2, 4, _____
- It is not double 4.
- It is not $18 - 9$.

9 ✕	5
8 ✕	6 ✕

The 2nd number to open the padlock is **5**.

Riddle 3 –

- It is not double 3.
- It is not an even number.
- It is not 1 less than 6.

5 ✕	2 ✕
1	6 ✕

The 3rd number to open the padlock is **1**.

Let's open the padlock.

Put the 3 numbers in order starting from the smallest.

1 4 5



Now the padlock is open. SuperM says thank you for helping him open the padlock.