Divisibility Rules

The rules below state what is required for a number to be divisible by...

2

If the **last digit** is an **EVEN** number or **0**

5

If the **last digit** is either **0** or **5**

10

If the **last digit** is **0**

3

If the **sum of its digits** is divisible by **3**

9

If the **sum of its digits** is divisible by **9**

4

If the **last 2 digits** is divisible by **4**

8

If the **last 3 digits** is divisible by **8**

6

If it is divisible by both **2 and 3**

12

If it is divisible by both **3 and 4**

15

If it is divisible by both **3 and 5**

11

Start with the digit in the UNITS place value
SUBTRACT the **TENS** digit
Then **ADD** the **HUNDREDS** digit
Then **SUBTRACT** the **THOUSANDS** digit...
and so on, until all the digits have been used.
If the final answer is divisible by **11** then the whole number is divisible by 11

Eg: 10 813
Start with 3
Then subtract 1
Then add 8
Then subtract 0
Then add 1
3 - 1 + 8 - 0 + 1 = 11
11 is divisbile by 11, so 10 813 is divisible by 11