

Can this number be divided by.....?

LEARN!

- ***Can this number be divided evenly (no remainder) by 2 ?
Is this number a factor or multiple of 2 ?***

YES if the number is even so ends in 2, 4, 6, 8 or 0

- ***Can this number be divided evenly (no remainder) by 3 ?
Is this number a factor or multiple of 3 ?***

YES if when you add the digits of the number, 3 divides evenly into the answer
e.g. 4 371 TEST: $4 + 3 + 7 + 1 = 15$

So it CAN be divided evenly by 3

- ***Can this number be divided evenly (no remainder) by 5 ?
Is this number a factor or multiple of 5 ?***

YES if the number ends in 0 or 5

- ***Can this number be divided evenly (no remainder) by 6 ?
Is this number a factor or multiple of 6 ?***

YES if it is an even number that can be divided by 3 (see above)

- ***Can this number be divided evenly (no remainder) by 9 ?
Is this number a factor or multiple of 9 ?***

YES if when you add the digits of the number, 9 divides evenly into the answer (see test for 3 being divisible by 3)

- ***Can this number be divided evenly (no remainder) by 4 ?
Is this number a factor or multiple of 4 ?***

YES if 4 divides evenly into the number's last 2 digits.

e.g. 17 236 4 divides evenly into 36 so it divides evenly into 17 236