To find if some number X is divisible by a certain number.

Use one of the following tests

Number	Test to perform
By-2	If the last digit of the number is divisible by two, then X is too. Eg: 1058 is divisible by 2
By-3	If the sum of the digits of the number X is divisible by three, then X is too Eg: 8721, since 8+7+2+1=18 and 1+8=9 which is divisible by 3 so true.
By-4	If the last two digits are divisible by four, then X is too
By-5	If the last digit is 5 or 0, then X is divisible by 5 Eg: Is 21978035 divisible by 5? Check the last digit which is 5 Thus, given number is divisible by 5
By-6	If X is divisible by 2 and by 3, then X is divisible by 6
By-7	↳ First you double the last digit of the number X. ↳ Second subtract it from X without its last digit. Eg: Is 2456 divisible by 7? 1) Take last digit "6" and double it to get: $2\times 6=12$ 2) Now find: $245\not{6}-12=233$ 3) Again take last digit "3" and double it to get: $2\times 3=6$ 4) Now find: $23\not{3}-6=17$ (which is not divisible by 7) 5) Repeat this procedure until you get a number that you know for sure is or is not divisible by seven.

By-8	If the last three digits are divisible by 8, then X is too
By-9	If the sum of the digits of the number X is divisible by nine, then X is too
By-10	If the last digit of X is 0, then X is divisible by 10
By-11	↳ First add the odd digits of the given number, first, third, fifth, seventh, etc. ↳ Second add the even digits the given number, second, fourth, sixth, eighth, etc. ↳ Third subtract the sums from each other, if the difference is divisible by 11, then the number X is too Eg: Is the number 3927 divisible by 11? 1) Pick up the odd digits (1st & 3rd): 5 and 2 2) Add them: 3+2=5 3) Pick up the even digits (2nd & 4th): 3 and 7 4) Add them: 9+7=16 5) Subtract the two sums: 16-5=11. Thus, 3927 is divisible by 11.