**Divisibility Rules**

“*divisible*” means a number is able to be divided evenly with another number with NO remainders!

<table>
<thead>
<tr>
<th>A number is divisible by...</th>
<th>Definition</th>
<th>Example</th>
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</thead>
</table>
| 2                          | The last digit is an even number. | 2,458  
8 is divisible by 2 |
| 3                          | The sum of the digits is divisible by 3. | 123  
1 + 2 + 3 = 6  
6 is divisible by 3 |
| 4                          | The last two digit form a number that is divisible by 4. | 4,524  
24 is divisible by 4 |
| 5                          | The last digit is either a 5 or a 0 (zero). | 12,390 or 3,475  
both 0 and 5 are divisible by 5 |
| 6                          | The number is divisible by **BOTH** 2 and 3. | 24  
24 is divisible by BOTH 2 and 3 |
| 7                          | You can double the last digit and subtract the sum from the rest of the number, and set an answer that is divisible by 7. | 672  
2 + 2 = 4  
67 – 4 = 63  
63 is divisible by 7 |
| 8                          | The last three digits from the a number that is divisible by 8. | 1,816  
816 is divisible by 8 |
| 9                          | The sum of all the digits is divisible by 9. | 153  
1 + 5 + 3 = 9  
9 is divisible by 9 |
| 10                         | The number ends in a 0 (zero). | 257,890  
0 (zero) is divisible by 10 |