

Divisibility Rules!

A Number is Divisible by...	If...	✓ Is Divisible	X Not divisible
2	...the last digit is an even number or a 0 (0,2,4,6,8)	232 <u>4</u>	433 <u>5</u>
3	...the sum of the digit is divisible by 3 429 → 4 + 2 + 9 = 18	1611 1+6+1+1=9	3365 3+3+6+5=17
4	...the number represented by the tens and ones is divisible by 4 641 <u>2</u>	54 <u>8</u>	521 <u>3</u>
5	...the last digit (ones column) is 5 or 0	54 <u>00</u> 54 <u>05</u>	674 <u>1</u>
6	...if the number is divisible by <u>both</u> 2 <u>and</u> 3. 612 → 6 + 1 + 2 = <u>9</u> (divisible by 3) → 612 ÷ 2 = 306 (divisible by 2)	636	465
8	...the number represented by the hundreds,tens and the ones is divisible by 8	1 <u>664</u>	<u>513</u>
9	...the sum of the digits is divisible by 9 126 → 1 + 2 + 6 = 9	1215	1255
10	...if the ones column is a 0	252 <u>0</u>	184 <u>3</u>