

Divisibility Rules

	Rule for Divisibility	Examples of Divisible	Examples of Not Divisible
Divisible by 2:	The <u>last</u> digit of the number is even (0,2,4,6,8)	497 <u>6</u> (6 is even)	354 <u>7</u> (7 is not even)
Divisible by 3:	The <u>sum</u> of the digits of the number is divisible by 3	3816 (3+8+1+6=18)	5165 (5+1+6+5=17)
Divisible by 5:	The <u>last</u> digit of the number is 0 or 5	648 <u>5</u>	867 <u>7</u>
Divisible by 6:	The number is divisible by both 2 <u>and</u> 3	213 <u>6</u> (6 is even and 2+1+3+6=12)	128 <u>5</u> (5 is not even and 1+2+8+5=16)
Divisible by 9:	The <u>sum</u> of the digits of the number is divisible by 9	9846 (9+8+4+6=27)	1165 (1+1+6+5=13)
Divisible by 10:	The <u>last</u> digit of the number is 0	541 <u>0</u>	742 <u>6</u>