

DIVISIBILITY RULES

DIVISIBLE BY...	RULE	EXAMPLE
2	One digit is 2, 4, 6, 8, or 0	12, 24, 96, 128, 230
3	Sum of the digits is divisible by 3	672 since $6 + 7 + 2 = 15$
4	Number formed by the two rightmost digits is divisible by 4	716...since 16 is divisible by 4
5	One digit is 0 or 5	35, 90, 1365
6	Number is divisible by both 2 and 3	822...since one digit is 2 and $8 + 2 + 2 = 12$
7	Divide number by 50; sum of quotient and remainder must be divisible by 7	476 divided by 50 = 9 with remainder of 26; $9 + 26 = 35$
8	Last three digits are divisible by 8	1160...since 160 is divisible by 8
9	Sum of digits is divisible by 9	9243...since $9 + 2 + 4 + 3 = 18$
10	One digit is 0	60, 210 and 19,830
11	Divide number by 100; sum of quotient and remainder must be divisible by 11	1562 divided by 100 = 15; remainder 62 $15 + 62 = 77$
13	Divide number by 40; sum of quotient and remainder must be divisible by 13	1170 divided by 40 = 29; remainder 10 $29 + 10 = 39$