Name: _____

Divisibility

Divisibility Rules

	A number is divisible by,	Examples
2	If it is an even number (ends in 0,2,4,6 or 8)	44 and 820
3	If the sum of the digits is divisible by 3 *For example in the number 75, 7 + 5 = 12 12 is divisible by 3 so 75 is also divisible by 3*	513 and 45
4	If the last two digits of a the number is divisible by 4	1,3<u>12</u> and 6,0<u>28</u>
5	If the last digit is 0 or 5	16<u>0</u> and 2,37<u>5</u>
6	If the number is divisible by 2 and 3	534 and 1,332
8	If the last three digits are divisible by 8	47,<u>120</u> and 9,<u>389</u>
9	If the sum of the digits is divisible by 9	918 and 921
10	If the last digit is a zero	380 and 1,110

Choose yes or no to state whether the following numbers are divisible by the ones in parentheses.

1) 58 (2) _____

2) 1 509 (2) _____

3) 59 (3) _____

4) 234 (3) _____

5) 8 023 (4) _____

6) 70 898 (5) _____

7) 42 505 (5) _____

8) 320 211 (6) _____

9) 2 304 (9) _____

10) 47 250 (9) _____

11) 65 000 (10) _____

12) 87 250 (10) _____