DIVISIBILITY RULES 2

Number	Divisibility Rules	Examples
2	Units Digit is even (2,4,6,8)	502, 236, 178
3	The sum of the digits is a multiple of 3	264, 183, 2472
4	The number formed by the last 2 digits is a multiple of 4	148, 632, 1956
5	The units digit is 5 or 0	160, 345, 1670
9	The sum of the digits is a multiple of 9	288, 621, 8757
10	The units digit is 0	340, 560, 1230
25	The number formed by the last 2 digits is divisible by 25. Ends in 00, 25, 50, 75	125, 650, 475
100	Ends in 00	1200, 400, 5600

1. | 5 | 4 | 3 | | is a four-digit number that is divisible by 9.

Fill in the missing digit.

2. | 8 | 4 | 2 | | is a four digit number that is divisible by 2, 3 and 4.

Fill in the missing digit.

3. | 7 | | 2 | | is a four digit number that is divisible by 5, 4 and 9.

Fill in the missing digits.

4. In how many ways can you arrange the four digits below to make a four-digit number that is even and divisible by 3?

2   3   9   4

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