

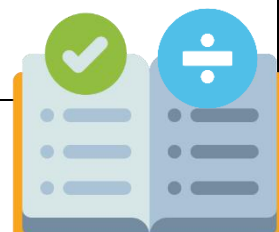


Divisibility rules

Grade 4 Factoring Worksheet

How do you know if a number is divisible by the following numbers?
Write the rule and give an example.

Number	Rule
2	
3	
5	
9	
10	





Answers

Number	Rule
2	The last digit in the number is even. e.g. 14, 22, 456 all end in even numbers, so all are divisible by 2.
3	The sum of the digits of the number is divisible by 3. e.g. The sum of the digits of 342 is $3+4+2 = 9$ which is divisible by 3, so 342 is divisible by 3.
5	The last digit is 0 or 5. e.g. 25, 100, 365
9	The sum of the digits of the number is divisible by 9. e.g. The sum of the digits of 1,485 is $1+4+8+5 = 18$ which is divisible by 9, so 1,485 is divisible by 9.
10	The last digit is 0. e.g. 60, 110, 850

