Exercise 2

In the following exercises, use the divisibility tests to determine whether each number is divisible by 2, by 3, by 5, by 6, and by 10.

96

Solution

96 is even, so it's divisible by 2.

The digits, 9 and 6, add to 15, which is divisible by 3, so 96 is divisible by 3.

The ones place is 6, not 5 or 0, so 96 is not divisible by 5.

96 is divisible by 2 and 3, so 96 is divisible by 6.

The ones place is not 0, so 96 is not divisible by 10.