Exercise 1

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.

<div align="center">84</div>

Solution

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

The digits, 8 and 4, add to 12, which is divisible by 3, so 84 is divisible by 3.

The ones place is 4, not 5 or 0, so 84 is not divisible by 5.

84 is divisible by 2 and 3, so 84 is divisible by 6.

The ones place is not 0, so 84 is not divisible by 10.