

### Exercise 3

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.

896

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#### Solution

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

The digits, 8 and 9 and 6, add to 23, which is not divisible by 3, so 896 is not divisible by 3.

The ones place is 6, not 5 or 0, so 896 is not divisible by 5.

896 is not divisible by 2 and 3, so 896 is not divisible by 6.

The ones place is not 0, so 896 is not divisible by 10.