

Name: _____

Date: _____

Directions: Use the divisibility rules to determine if the first number is divisible by the number(s) that follow it. In complete sentences, explain your reasoning.

Example:

4,398 ; 2, 3, 4, 6

4398 is divisible by two because the number in the ones place is divisible by 2.

4398 is divisible by 3 because $4 + 3 + 9 + 8 = 24$ and 24 is divisible by 3.

4398 is not divisible by 4 because the last two digits are not divisible by 4.

4398 is divisible by 6 because the number is divisible by both 2 and 3.

1) 477 ; 3

2) 348 ; 6

3) 810 ; 5

4) 4689 ; 9

5) 972 ; 2, 3, 4, 5, 6, 9