



Name \_\_\_\_\_

Math 6  
Period \_\_\_\_\_

## Can You Do This?

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1. Find the prime factorization of each number. Use exponents if possible.

284

17

70

501

2. Tell whether each number is divisible by the given factors.

2

3

5

6

9

10

87    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_

250    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_

3. Tell whether each number is Prime or Composite. Give Proof if it is composite.

1,205,010

81

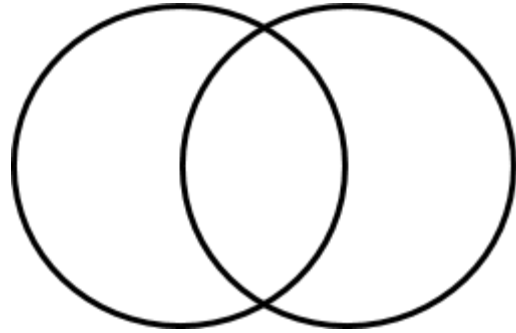
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# Can You Do This?

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4. Find the LCM and GCF of 8 and 14.



5. Can you find and extend the pattern?

3, 9, 7, 21, 19, 57, ...    \_\_\_\_\_    \_\_\_\_\_    \_\_\_\_\_

The rule is: \_\_\_\_\_

6.: Number Riddle:

- My number has four digits.
- The thousands digit is three times the hundreds digit.
- The ones digit is divisible by 3.
- The sum of the digits is 20.

**What is my number?**