

Factor Fiction

1. Complete the table below. For each square, write a number that fits both the rule of the row and the rule of the column. Do not use any number more than once.

Reasoning

	Is a multiple of 3	Is a factor of 3,960	Uses the same digit twice	Sum of its digits is 12
Is divisible by 6				
Is less than 40				
Is a multiple of 5				
Is an odd number				

Write *True* or *False* for each of these statements about greatest common factors. If the statement is false, explain why the statement is wrong and give an example.

2. A pair of numbers each greater than 100 will always have a greater GCF than a pair of numbers that are both less than 100.

3. The GCF of a pair of numbers is always equal to or less than the lesser of the two numbers.

4. The GCF of a pair of numbers can never be equal to one of the numbers.
