| Name  | Hour                     |  |
|---|--------------------------|--|
| Prime Time Lesson 3.3 Prime Factorization to find LCM & GCF                       |                          |  |
| Use the prime factorizations of 72 and 120 to find their GCF                      | & LCM                    |  |
|   |                          |  |
|   |                          |  |
|   |                          |  |
|   |                          |  |
|   |                          |  |
| The CCE of or and to is 1. Numbers with 1 os the CCE are                          | a gallad                 |  |
| The GCF of 25 and 12 is 1. <b>Numbers with 1 as the GCF are RELATIVELY PRIME.</b> | e caned                  |  |
|   |                          |  |
| • Find another pair of numbers whose GCF is 1                                     |                          |  |
|   |                          |  |
| How can you determine whether the GCF of two nu                                   | mbers is 1 by looking at |  |
| their prime factorizations?   |                          |  |
|   |                          |  |

| Find two pairs of numbers whose LCM is the product of the nu  | ımbers.           |
|---|-------------------|
| Find two pairs of numbers whose LCM is less than the produc   | t of the numbers. |
| How can you determine whether the LCM of two numbers is the numbers or is less than the product of the numbers? | he product of the |
| The prime factorization of a number is 2 X 5 X 3².  • Find two numbers whose LCM is this number                 | &                 |
| • Find two numbers whose GCF is this number   | <u> </u>          |
|   |                   |
|   |                   |