

Finding Numbers Using HCF & LCM

Name: _____

1. Two numbers have a HCF of 6. What might the numbers be?
2. Two numbers have a LCM of 120. What might the numbers be?
3. Two numbers have a HCF of 6 and a LCM of 120. What might the numbers be?
4. Find all pairs of numbers whose HCF is 6 and LCM is 120. What do you notice?

HCF & LCM Reflection

Name: _____

1. Explain why we never ask for the lowest common factor or the highest common multiple of two numbers.
2. Can you find two numbers whose LCM equals the product of the two numbers?
3. Can you find any two numbers whose LCM is smaller than the product of the two numbers?
4. Can you find any two numbers whose LCM is larger than the product of the two numbers?
5.
 - a. Explain how you can use prime factorisation to find the HCF and LCM of two numbers.
 - b. Use prime factorisation to find the HCF and LCM of 24 and 60.
6. Why is the HCF multiplied by the LCM always equal to the product of the two numbers?