

Homework Assignment: HCF and LCM

Name: _____

Date: _____

Part 1: Find the Least Common Multiple (LCM)

Find the LCM for the following sets of numbers:

1. 20 and 30
2. 16, 24, and 36
3. 25, 40, and 50
4. 35 and 45
5. 48 and 72

Part 2: Find the Highest Common Factor (HCF)

Find the HCF for the following sets of numbers using prime factorization:

1. 45 and 75
2. 56 and 84
3. 60, 90, and 120
4. 100 and 150
5. 36, 54, and 90

Part 3: Find the HCF using the Long Division Method

*Use the long division method to find the HCF for the following pairs of numbers. **Show all your division steps clearly:***

1. 144 and 192
2. 160 and 210
3. 125 and 175
4. 216 and 300
5. 240 and 360