

Name: _____

Prime Factorization, HCF, LCM Review

1. Express the following numbers as a product of their prime factors. Write your factors in ascending order.

a) $36 = \underline{\quad} \times \underline{\quad} \times \underline{\quad} \times \underline{\quad}$

b) $48 = \underline{\quad} \times \underline{\quad} \times \underline{\quad} \times \underline{\quad} \times \underline{\quad}$

c) $90 = \underline{\quad} \times \underline{\quad} \times \underline{\quad} \times \underline{\quad}$

d) $200 = \underline{\quad} \times \underline{\quad} \times \underline{\quad} \times \underline{\quad} \times \underline{\quad}$

2. Find the HCF of the following numbers. Use your prime factors to help you.

a) 42 and 60

b) 120 and 144

HCF = _____

HCF = _____

3. Write the LCM of the following numbers. Use your prime factors to help you.

a) 6 and 8

b) 12 and 30

LCM = _____

LCM = _____