Name:_____ **Grade:**_____ **Date:**_____

Topic: Finding the HCF and LCM using Prime Factorization

Instructions: Find the HCF and LCM using prime factorization. For the factor tree, start with the smallest prime number that can be used. When listing prime factors, list the prime factors in **ascending order**.

(1) **18** **27**

18 = × × _____

27 = × × _____

HCF = _____

LCM = _____

(2) **20** **30**

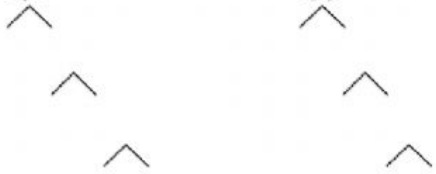
20 = × × _____

30 = × × _____

HCF = _____

LCM = _____

(3) **24** **36**



24 = × × × _____

36 = × × × _____

HCF = _____

LCM = _____

(4) **50** **75**

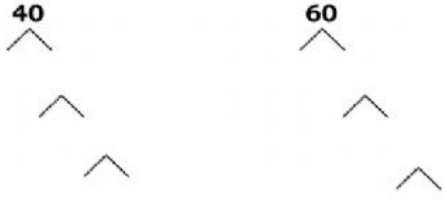
50 = × × _____

75 = × × _____

HCF = _____

LCM = _____

(5) **40** **60**



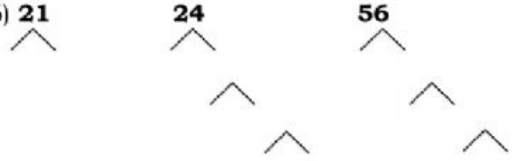
40 = × × × _____

60 = × × × _____

HCF = _____

LCM = _____

(6) **21** **24** **56**



21 = × _____

24 = × × × _____

56 = × × × _____

HCF = _____

LCM = _____