**Primes, HCF and LCM Homework Due Monday 23rd September 2013**

1. **Each of the following represents a number written as a product of powers of its prime factors. Find the number.**
2. **23 x 32 (b) 2 x 33 x 5 (c) 23 x 3 x 7**
3. **(a) Express 108 as a product of powers of its prime factors**

**(b) Find the highest common factor (HCF) of 108 and 24**

1. **(a) Express 120 as a product of powers of its prime factors**

**(b) Find the lowest common multiple (LCM) of 120 and 150**

1. **The number 40 can be written as 2m x n where m and n are prime numbers. Find the value of m and the value of n.**

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