

Past Paper Questions – Prime Factors, HCF, LCM

The number 1104 can be written as  $3 \times 2^c \times d$ , where  $c$  is a whole number and  $d$  is a prime number.

(e) Work out the value of  $c$  and the value of  $d$ .

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

.....  
(3)

(b) Find the Lowest Common Multiple of 120 and 150.

.....  
(2)

2. (a) Express the following numbers as products of their prime factors.

(i) 56

.....

(ii) 84

.....

(b) Find the Highest Common Factor of 56 and 84.

(4)