



1 (i)  $140 = 2 \times 2 \times 5 \times 7$

(ii)  $156 = 2 \times 2 \times 3 \times 13$

(iii)  $3825 = 3 \times 3 \times 5 \times 5 \times 17$

(iv)  $5005 = 5 \times 7 \times 11 \times 13$

(v)  $7429 = 17 \times 19 \times 23$

2 (i)

$26 = 2 \times 13$

$91 = 7 \times 13$

HCF = 13

LCM =  $13 \times 2 \times 7$   
= 182

[Product of common factors]  
[Product of common factors  
and remaining factors]

Product of two numbers

=  $91 \times 26$

= 2366

HCF  $\times$  LCM =  $13 \times 182$

= 2366

$\therefore$  = HCF  $\times$  LCM

2 (ii)  $510 = 2 \times 3 \times 5 \times 17$

$92 = 2 \times 2 \times 23$

HCF = 2

LCM =  $2 \times 3 \times 5 \times 17 \times 2 \times 23$   
= 23460

Product of two numbers =  $510 \times 92$

= 46920

HCF  $\times$  LCM =  $2 \times 23460$

= 46920

$\therefore$  Product of two numbers = HCF  $\times$  LCM