## CBSEASSISTANCE.COM

## REAL NUMBERS <br> SOLUTION 16

Find the greatest number which divides 285 and 1249 leaving remainders 9 and 7 respectively.

## Solution:

$285-9=276$
$1249-7=1242$
The greatest number is the HCF of 285 and 1242
By Euclid's Division Algorithm
$1242=276 \times 4+138$
$276=138 \times 2+0$
$\mathrm{HCF}=138$
Required number $=138$

