

1 Using prime factorisation, find the HCF and LCM of  
① 30, 72, 432      ② 21, 28, 36, 48

2 The HCF of two numbers is 11 and their LCM is 7700  
If one of the numbers is 275, find the other.

3 Find the largest number which divides 320 and 457  
leaving remainders 5 and 7 respectively.

4 Find the simplest form:

①  $\frac{69}{92}$       ②  $\frac{561}{748}$       ③  $\frac{1095}{1168}$

5 Prove  $2-3\sqrt{5}$  is irrational number.

6 Prove  $\sqrt{3}+\sqrt{5}$  is irrational number.

7 Three sets of English, Mathematics and Science books  
containing 336, 240 and 96 books respectively have to  
be stacked in such a way, that all the books are  
stored subjectwise and the height of each stack  
is the same. How many stacks will be there?

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