

- 1) List the first seven prime numbers.
  
- 2) Express the following numbers as the product of their prime factors:
  - a) 12
  - b) 20
  - c) 30
  - d) 24
  
- 3) Express the following numbers as the product of their prime factors:
  - a) 64
  - b) 100
  - c) 150
  
- 4) Express the following numbers as the product of their prime factors:
  - a) 175
  - b) 192
  - c) 315
  
- 5) The number 96 can be written as  $2^m \times n$ , where  $m$  and  $n$  are prime numbers.  
Find the value of  $m$  and the value of  $n$ .
  
- 6) The number 75 can be written as  $5^x \times y$ , where  $x$  and  $y$  are prime numbers.  
Find the value of  $x$  and the value of  $y$ .