**Factors, Multiples and Primes, LCM and HCF**

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| **1)** List all the prime numbers less than 30       | [1]   |
| **2)** List the first 4 multiples of 8.       | [1]   |
| **3)** List all the factors of the following number      a) 13     b) 21 | [2]   |
| **4)** Show the following number as a product of its prime factors      a) 9     b) 24     c) 48 | [3]   |
| **5)** Show the following number as a product of its prime factors in index form       49 | [1]   |
| **6)** Find the Highest Common Factor of the following pair of numbers      a) 18 and 15     b) 24 and 32 | [2]   |
| **7)** Find the Lowest Common Multiple of the following pair of numbers      a) 12 and 8     b) 34 and 10 | [2]   |

**Solutions for the assessment Factors, Multiples and Primes, LCM and HCF**

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| **1)** 2,3,5,7,11,13,17,19,23,29 | **2)** 8,16,24,32 |
| **3)**  a) 1,13 |      b) 1,3,7,21 |
| **4)**  a) 3  $×$ 3 |      b) 2  $×$ 2  $×$ 2  $×$ 3 |
|      c) 2  $×$ 2  $×$ 2  $×$ 2  $×$ 3 | **5)** 72 |
| **6)**  a) 3 |      b) 8 |
| **7)**  a) 24 |      b) 170 |