

# Factors, Multiples, Primes, Prime Factors, LCM and HCF

Name:	Class:	Date:
Mark		/ 12 %

- 1) List all the prime numbers less than 30 [1]
- 2) List the first 6 multiples of 6. [1]
- 3) List all the factors of the following number [2]
- a) 2
- b) 22
- 4) Show the following number as a product of its prime factors [3]
- a) 18
- b) 21
- c) 52
- 5) Show the following number as a product of its prime factors in index form [1]
- 56
- 6) Find the Highest Common Factor of the following pair of numbers [2]
- a) 20 and 8
- b) 32 and 36
- 7) Find the Lowest Common Multiple of the following pair of numbers [2]
- a) 6 and 8
- b) 18 and 20

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

1) 2,3,5,7,11,13,17,19,23,29

2) 6,12,18,24,30,36

3) a) 1,2

b) 1,2,11,22

4) a)  $2 \times 3 \times 3$

b)  $3 \times 7$

c)  $2 \times 2 \times 13$

5)  $2^3 \times 7$

6) a) 4

b) 4

7) a) 24

b) 180