

## number theory 1a

1) List the first 10 even numbers.

2) List the first 10 odd numbers.

3) List the factors of :

- a) 8 .....
- b) 4 .....
- c) 24 .....
- d) 11 .....
- e) 35 .....

4) List the first four multiples of :

- a) 3 .....
- b) 5 .....
- c) 9 .....
- d) 8 .....
- e) 11 .....

5) How many factors does a prime number have ?  
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6) List all the prime numbers up to 50 .

7) List all the composite numbers up to 20 .

8) find the HCF and LCM of the following pairs of numbers .

a) 10 , 8

HCF =

LCM =

b) 12 , 16

HCF =

LCM =

c) 9 , 10

HCF =

LCM =

d) 3 , 9

HCF =

LCM =

name.....

9) Express each of the following numbers in terms of its prime factors.

a) 36

b) 75

c) 80

d) 130

e) 550

10) List the first 8 square numbers.

11) List the first 6 triangular numbers.

*Parent's signature and comment*