

## number theory 1c

1) List the first 11 even numbers.

2) List the first 10 odd numbers.

3) List the factors of :

- a) 16 .....
- b) 8 .....
- c) 19 .....
- d) 55 .....
- e) 24 .....

4) List the first four multiples of :

- a) 5 .....
- b) 12 .....
- c) 6 .....
- d) 2 .....
- e) 9 .....

5) How many factors does a prime number have ?  
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6) List all the prime numbers up to 52 .

7) List all the composite numbers up to 21 .

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

a) 10 , 8  
HCF =  
LCM =

b) 12 , 9  
HCF =  
LCM =

c) 8 , 9  
HCF =  
LCM =

d) 4 , 8  
HCF =  
LCM =

name.....

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

a) 45

b) 81

c) 50

d) 130

e) 350

10) List the first 9 square numbers.

11) List the first 6 triangular numbers.

*Parent's signature and comment*