

number theory 1b

1) List the first 12 even numbers.

2) List the first 12 odd numbers.

3) List the factors of :

- a) 12
- b) 9
- c) 18
- d) 50
- e) 21

4) List the first four multiples of :

- a) 7
- b) 4
- c) 11
- d) 6
- e) 3

5) How many factors does a prime number have ?
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6) List all the prime numbers up to 55 .

7) List all the composite numbers up to 22 .

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

a) 12 , 8

HCF =

LCM =

b) 12 , 10

HCF =

LCM =

c) 4 , 9

HCF =

LCM =

d) 4 , 8

HCF =

LCM =

name.....

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

a) 48

b) 85

c) 90

d) 140

e) 650

10) List the first 9 square numbers.

11) List the first 6 triangular numbers.

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