

number theory 1e

1) List the first 10 even numbers.

2) List the first 12 odd numbers.

3) List the factors of :

- a) 10
- b) 18
- c) 14
- d) 45
- e) 22

4) List the first four multiples of :

- a) 3
- b) 11
- c) 6
- d) 8
- e) 5

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 23 .

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

a) 6 , 8

HCF =

LCM =

b) 6 , 15

HCF =

LCM =

c) 3 , 8

HCF =

LCM =

d) 2 , 10

HCF =

LCM =

name.....

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

a) 50

b) 28

c) 70

d) 110

e) 230

10) List the first 10 square numbers.

11) List the first 6 triangular numbers.

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