

Factors



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What are factors? Factors of a number are the numbers that when multiplied together give that original number. For example, the factors of 6 are, 1 and 6 since  $1 \times 6 = 6$ ; 2 and 3 since  $2 \times 3 = 6$ . A number like 8 can have more than two factors. 1 and 8 since  $1 \times 8 = 8$ ; 2 and 4 since  $2 \times 4 = 8$ ; 2 and 2 and 2 since  $2 \times 2 \times 2 = 8$ . When a number has only itself and 1 as factors that number is called *prime*. Examples:

17, 13, 3, 5, 7, 11

are all prime numbers.

1. Find all the factors of the following numbers.

a) 14

n) 45

b) 20

o) 74

c) 25

p) 34

d) 32

q) 44

e) 8

r) 11

f) 6

s) 73

g) 4

t) 86

h) 9

u) 54

i) 12

v) 99

j) 100

w) 62

k) 50

x) 27

l) 65

y) 38

m) 75

z) 56