

Finding Factors and GCF

Factors are all the numbers that can be divided into the number. One of the quickest ways to find all the factors is to start with factor pairs.

$$18: 1 \times 18, 2 \times 9, 3 \times 6$$

$$44: 1 \times 44, 2 \times 22, 4 \times 11,$$

THEN: you can rewrite them from smallest to largest

$$18: 1, 2, 3, 6, 9, 18$$

$$44: 1, 2, 4, 11, 22, 44$$

The Greatest Common Factor is ~~and~~ the largest factor they share.

For example:

$$18: 1, \textcircled{2}, 3, 6, 9, 18$$

$$\text{GCF}: 2$$

$$44: 1, \textcircled{2}, 4, 11, 22, 44$$