

Prime Time 2.1

common multiple

A multiple that two or more numbers share. For example, the first few multiples of 5 are 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, and 70. The first few multiples of 7 are 7, 14, 21, 28, 35, 42, 49, 56, 63, 70, 77, 84, 91, and 98. From these lists, we can see that two common multiples of 5 and 7 are 35 and 70.

least common multiple (LCM)

The least multiple that two or more numbers share. Common multiples of 6 and 8 include 24, 48, and 72, but 24 is the least common multiple.

common factor

A factor that two or more numbers share. For example, 7 is a common factor of 14 and 35 because 7 is a factor of 14 ($14=7\times 2$) and 7 is a factor of 35 ($35=7\times 5$).

greatest common factor (GCF)

The greatest factor that two or more numbers share. For example, 1, 2, 3, and 6 are common factors of 12 and 30, but 6 is the greatest common factor.

Prime Time 2.2

No new vocabulary terms.

Prime Time 2.3

No new vocabulary terms.