ratio

A comparison of two quantities expressed with a phrase such as 'the ratio of 3 to 5' which means '3 for every 5.' Such ratio comparisons are often written as common fractions and in the special notation 3 : 5.

35 3 to 5 3 : 5

Comparing & Scaling 1.2

No new vocabulary terms.

equation

A rule containing variables that represent a mathematical relationship. An example is the equation $27 = x42$.

part-to-part ratio

A part-to-part ratio represents a relationship between one part of a whole and another part of the whole. For example, in a recipe that calls for 2 cans of juice concentrate and 3 cans of water, the ratios $2 : 3$ and $3 : 2$ are part-to-part ratios.

part-to-whole ratio

A part-to-whole ratio represents a relationship between one part of a whole and the whole. For example, in a recipe that calls for 2 cans of juice concentrate and 3 cans of water, the ratios $2 : 5$ and $3 : 5$ are part-to-whole ratios, because there are 5 cans in all.

proportion

An equation stating that two ratios are equal.