## Ratio Study Guide

1. A ratio is a comparison of two numbers: in a dozen eggs, 3 are brown and the rest are white.
a. Part - to - part comparison: There are 12 eggs in total, but part of them are white and part of them are brown
brown: white
3:9 now reduce 1:3
Ex: The ratio of boys to girls in a middle school soccer program
is $8: 7$. If there are 135 students in the program, how many
of them are girls?

$\frac{135}{15}=9$ so 9 goes m each box
There are 7 boxes of girls

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\text { so } 9 \times 7=63 \text { girls }
$$

Ex: Find the missing value:

b. Part - to whole comparison: How many brown eggs are there compared
to the total number of eggs?
brown:total
3:12 now reduce 1:4


