

RATIOS

What is a ratio?

The ratio of 3 to 4 is a fraction, $\frac{3}{4}$.

Sometimes ratios can be reduced:

The ratio of 10 to 4 is $\frac{10}{4}$

which can be reduced to

$\frac{5}{2}$, therefore the ratio of 10 to 4 is the same as the ratio of ___ to ___.

↳ example 1:

Write the ratio of $\frac{6}{5}$ to $\frac{6}{7}$ as a reduced fraction.

↳ example 2:

Write the ratio of 0.4 to 4
as a reduced fraction.

↳ example 3:

Write the ratio of 4.8 to 0.8
as a reduced fraction

Note: Even though $\frac{6}{1} = 6$, we write our
answer as $\frac{6}{1}$ since ratios are
always fractions.

WD example 4:

Answer the following questions.
Reduce your answer if possible.

At a certain college, there are 425 female students and 375 male students.

a) what is the ratio of female students to male students?

b) what is the ratio of female students to total students?

RATIOS Practice Problems

Write each of the following ratios as
a reduced fraction:

1. 3 to 4

2. 75 to 50

3. 0.5 to 5

4. 3.5 to 0.7

5. $\frac{7}{9}$ to $\frac{18}{21}$