## Comparing Ratios and Rates

- When comparing two ratios or two rates, you must compare them using a common denominator or their decimal representation.

Examples:

3:4 and 4:5

$\div$ Quotient Method:
(Decimal)
$3 \div 4=0.75<4 \div 5=0.80 \quad \frac{3}{4}<\frac{4}{5}$

Comparing two rates requires expressing them in the same units.

## equal

Two rates or ratios are equivalent if they have the same decimal representation. $3: 4=0.756: 80.75 \quad 3: 4=6: 8$ We obtain an equivalent ratio by multiplying or dividing the first term and the second term of the ratio by the same non-zero number.

