Chapter 6 section 1
Ratios and Rates

Ratio:
        Quotient of two numerical quantities or two quantities wit the same physical units.

Three ways to express equivalent ratios
        Fraction notation
        $\dfrac{3}{4}$
        'to' notation
        3 to 4   read: the ratio of 3 to 4
        'colon' notation
        3:4   read: the ratio of 3 to 4

Fraction notation: reduce to lowest terms.

Express the ratio, '36 to 24' as a fraction in lowest terms.

Rates:
        Quotient of two measurements with different units.

120 miles in 4 hours

Express as a fraction and explain the physical significant

Unit rate:
        Rate whose denominator is 1.

Express 120 miles in 4 hours as a unit rate.

Work 3.5 hours and receive $95. What is the hourly salary?