

Pg 174-175 1-23(a)

1) equation

2) solve

3) $r = s + t$

4) $b = c - Ax$

5) $y = \frac{x}{3}$

6) $J = \frac{(k-5)}{2}$

7) $y = 2x - 4$

8) $s = \frac{(t+b)}{b}$

9) $w = \frac{A}{L}$

10) 8 in.

11) $C = \left(\frac{5}{9}\right)(F - 32)$

12) 37°C

13) $w = \frac{A}{L}$; $w = 4$

14) $h = \frac{2A}{b}$; $h = 6$

15) $L = \frac{2A}{w}$; $L = 16$

16) $B = \frac{2A}{h}$; $b = 11$

17) 18 cm^2

18) $v = \frac{m}{d}$

19) 16.67 cm^3

20) B

21) 6 min.

22) $D = \left(\frac{P - 2112}{64}\right)$


23) 30 ft

3.8 Ratios and Rates

Oct. 20, 2006

Ratio of a to b is $\frac{a}{b}$

Rate of a per b



ex 1) a tennis team won 10 of their 16 matches. $16 - 10 = \underline{\underline{6}}$
Find the Ratio of wins to losses.

$$\text{Ratio} = \frac{\text{wins}}{\text{losses}} = \frac{10}{6} = \frac{5}{3}$$

How to be said as a Rate.

5 wins per 3 losses

Unit rate: a rate per
one given unit.

* 1 is in the Bottom of the fraction

ex2) you run 10 km in 50 min.
what is your Average Speed,
Given in km/min.

$$\text{Unit Rate} = \frac{\text{km}}{\text{min}} = \frac{10 \text{ km}}{50 \text{ min}} = \underline{\underline{.2 \text{ km/min}}}$$

O.T.L.

① Pg 180-181 : 1-3(a),
5-11(a), 13-19(o), 20, 21,
23-27(o), 28

There are only 20 problems