

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

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

16) $B = \frac{24}{n}$; $b = 11$

17) 18 cm^2

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

19) 16.67 cm^3

20) B

21) 6 min.

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

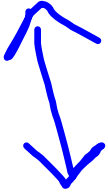
23) 30 ft

3.8 Ratios and Rates

Dec. 13, 2006

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

Rate of a per b



ex1) a tennis team won $16 - 10 = \underline{\underline{6}}$
10 of their 16 matches.
Find the Ratio of wins to losses.

$$\text{Ratio} = \frac{\text{wins}}{\text{losses}} = \frac{\cancel{10} \div 2}{\cancel{6} \div 2} = \frac{5}{\underline{\underline{3}}}$$

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.

$$\begin{array}{l} \text{unit} \\ \text{Rate} \end{array} = \frac{\text{km}}{\text{min}} = \frac{10}{50} = \underline{\underline{0.2 \text{ km/min}}}$$

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

② Notebooks Due Monday.

# December 2006

AHS Mathematics Department  
2006-2007 First Semester  
Exam Schedule

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|---------|-----------|----------|--------|----------|
| 10     | 11     | 12      | 13        | 14       | 15     | 16       |
| 17     | 18     | 19      | 20        | 21       | 22     | 23       |
| 24     | 25     | 26      | 27        | 28       | 29     | 30       |

Last Day for FULL Credit on Z-Grades (points to Dec 20)  
Winter Break (from Dec 21 to Dec 30)  
Winter Break (from Dec 24 to Dec 30)

# January 2007

Last Day for HALF Credit on Z-Grades (points to Jan 4)

| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
|--------|--------|---------|-----------|----------|--------|----------|
| 31     | 1      | 2       | 3         | 4        | 5      | 6        |
| 7      | 8      | 9       | 10        | 11       | 12     | 13       |

Winter Break (from Jan 1 to Jan 2)  
1st Day Back (Jan 3)  
Alg. I-En. Alg. I (Jan 4)  
Alg. I-A, Alg. I-B, Alg. I-C, Alg. I-D (Jan 5)  
Period 1 8:00-9:30, Period 2 9:35-11:05 (Jan 9)  
Period 3 8:00-9:30, Period 4 9:35-11:05 (Jan 10)  
Period 6 8:00-9:30, Period 7 9:35-11:05 (Jan 11)



Mastery Exams



Semester Exams

Notebooks

## **What is in the Notebook?**

### **Algebra I-A:**

- 1. Notebook Form**
- 2. Algebra I-A Mastery Topics**
- 3. Hall Passes**
- 4. Signed Grade Sheets**
- 5. Contract**
- 6. 15 Days of Notes**
- 7. Old Notes & Hall Passes**
- 8. OTL Section**
- 9. Graded Material Section**