

Mr. Northcutt's Math Classes Class Presentation

Tuesday, September 30, 2008 (20)



Math 1



Math 2



Applied Math

Math 1 – Daily Summary

- **Announcements**

- None

- **Class Objectives**

- **Chapter 1 Test**
- HW Check & Computer **QUIETLY** after test

- **Assignment**

- No HW

Math 2 – Daily Summary

- **Announcements**

- Chapter 2 Test on Friday
- Get Whiteboards – Art Class Today!
- Get 3-D Shapes from Drawer

- **Class Objectives**

- Quiz Review
- **Observation:** HW Quality, Detail, Questions
- Space Geometry (Sketches & Visualization)
 - Sketches/Figures in 3-D
 - Prism, Pyramid, Cylinder, Cone, Sphere, Hemisphere

- **Assignment**

- **Lesson 2.8:** 1-35 ALL

Quiz Review

- **Scoring Summary**

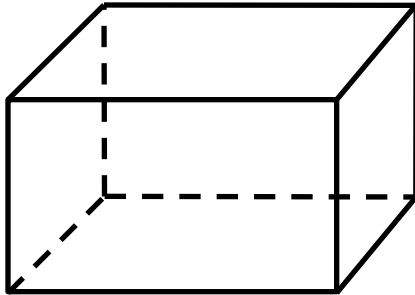
- Average = **31.5 (79%)**
- High = **39.5 (99%)**
- Low = **23 (58%)**

- **Areas for Improvement**

- Marking Sketches
 - Isosceles, Equilateral & Right Triangle
 - Congruence: Line Segments, Angles
 - Median
 - Parallel and Perpendicular Lines/Segments
 - Angle Bisector
- Algebra: $(12a + 6b) \div 3$

Rectangle in 3-D

- **Recommended Order for Drawing:**
 - Front
 - Back
 - Sides
- **Dashed Lines for “Hidden” Edges**



Other 3-D Shapes

- Prism
- Pyramid
- Cylinder
- Cone
- Sphere
- Hemisphere

Applied Math – Daily Summary

- **Announcements**

- Chapter 1 Test Tomorrow (1.1 thru 1.14)
- Get Whiteboards!

- **Class Objectives**

- Chapter 1 Review
 - Order of Operations
 - Area & Volume, Formulas
 - Operations: Integers, Fractions, Decimals
 - Dimensional Analysis/Conversion
 - Percentages

- **Assignment**

- **Chapter Review (p. 91): 3-63 (by 3)**

HW Review: 1.13 & 1.14 (EVEN)

10: 1.287

20: 0.503

30: 22.5 %

40: 0.062 %

50: 83 $\frac{1}{3}$ %

60: 537.5 %

70: 3 $\frac{1}{4}$

80: 577/800

2: P=\$100, R=33 $\frac{1}{3}$ %,
B=\$300

4: P=72, R=15%, B=480

6: P=25, R=unknown,
B=28

10: P=\$90, R=unknown,
B=\$500

28: 15

40: 19.4%

48: \$567.19

Order of Operations

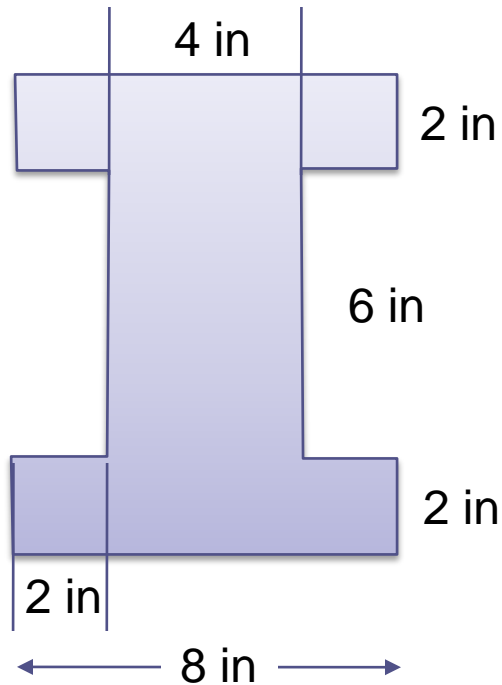
- **GEMDAS**

$$24 / (6 - 2) + 4 \times 3 - 15 / 3$$

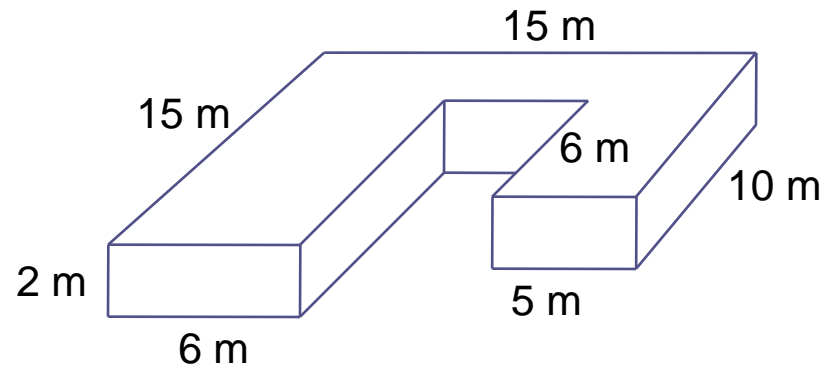
$$\frac{(20 - 2 \cdot 5)^2}{3^3 - 2}$$

Area and Volume

- Find the **Area**



- Find the **Volume**



Operations (Integers, Fractions, Dec...)

- **Simplify**

$$\frac{3}{4} - \frac{1}{2} \div \frac{1}{3}$$

$$10\frac{1}{2} \div 3\frac{1}{2}$$

Dimensional Analysis/Conversion

- **Convert 55 mph to m/sec.**

Percents

U.S. soybeans average 39% protein. A bushel of soybeans weighs 60 lb. How many pounds of protein are in a bushel? A 120-acre field yields 45bu/acre. How many pounds of protein does that field yield?