

Bring: Books and balloons (for question #9), something for Times100 prizes  
A volunteer to help correct the quizzes

- 7:30 Put quizzes on desk before they enter.  
Put warm-up on the board:  
NO MATH CLUB NEXT WEEK! Oct 25th
- 1) Turn in homework
  - 2) Grab a doughnut!
  - 3) Try these problems from the Day 1 quiz:
    - 4)  $4 \frac{1}{2} \div 1 \frac{1}{2} =$  A: *9/3 or 3*
    - 5)  $2 \frac{1}{5} + 1 \frac{1}{2} =$
    - 6)  $4.2 - 1.05 =$  A: *33/10 or 3 3/10*
    - 7) Convert 0.625 to a proper fraction and reduce A: *5/8*
    - 8) Write the decimal number for 1/9? 2/9? 3/9? A: *0.111, 0.2222, 0.333*
    - 9) What's heavier: 100 pounds of books, or 100 pounds of balloons?  
*Loudly drop some books as you ask the question, for fun effect. The point (if there is one) is they weigh the same, but the volume is different because the density is so different. E.g. did you know that astronauts dropped a rock and a feather on the moon, and proved once and for all that everything falls at the same rate.*
- 8:10 Hand back corrected homework  
Quiz "Speed Times 100"
- 8:20 Turn in quiz, start roster  
Discuss warm-ups  
Discuss top 3 homework problems (*Kathy check these and pick some*)  
4d) Pumpkin for Halloween. Now 25 pounds, and it grows  $\times 6/5$  every week.  
Most common mistake is to multiply it once:  $25 \times 1/5 = 5$  pounds, and  
Some people will just add 5 pounds every week for three weeks. But  
that's not doing what the problem says! This is more like compound  
growth rate.  $25 \times 6/5 \times 6/5 \times 6/5 = 43.2$  pounds.  
 $3/7 + 7/3 = (9+49)/21 = 58/21$   
Check on roster, keep it moving
- 8:35 Give prizes for anyone who got 100% on the quiz  
Lecture
- 9:10 Hand outs  
Start homework if any extra time