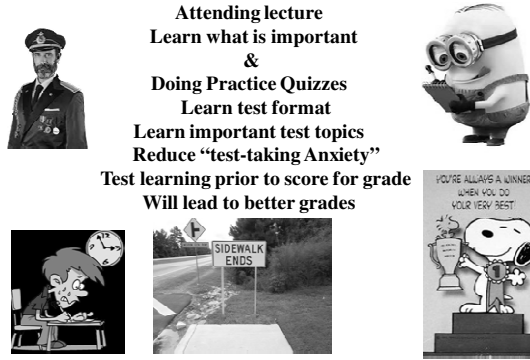


The Key to Good Grades

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It might seem obvious that

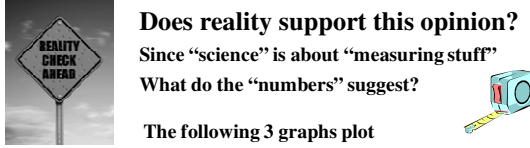
Attending lecture
 Learn what is important
 &
 Doing Practice Quizzes
 Learn test format
 Learn important test topics
 Reduce "test-taking Anxiety"
 Test learning prior to score for grade
 Will lead to better grades



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Does reality support this opinion?

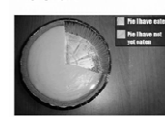
Since "science" is about "measuring stuff"
 What do the "numbers" suggest?



The following 3 graphs plot
 CEM 090 student performance for a 12 week summer session
 (CEM 101 is CEM 090 with different name)

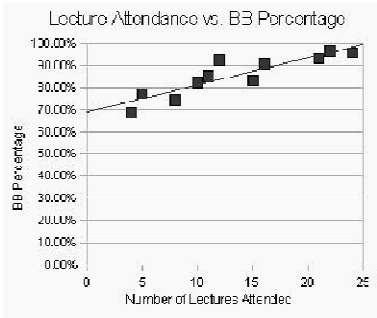
Line on the graphs demonstrates "best fit" relationship

**World's Most Accurate
 Pie Chart**



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Lecture Attendance & Final Blackboard Percentage

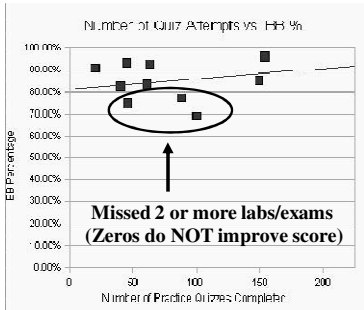


Graph suggests: attending lectures → higher grades

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Practice Quizzes Attempted & Final Blackboard %



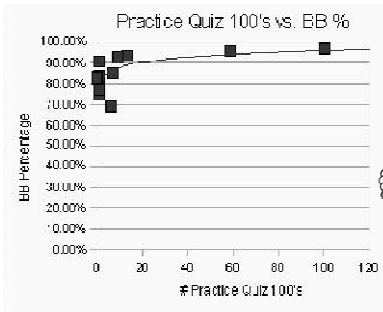
Missed 2 or more labs/exams
(Zeros do NOT improve score)

Graph suggests: taking lots of practice quizzes → higher grades

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Practice Quiz 100's & Final Blackboard %



Graph suggests: lots of practice quiz 100's → higher grades

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Test Averages: Attending Lecture Session Practice Quizzes

| Test | Attend | Not Attend |
|-------|--------|------------|
| 4 | 92 | 72 |
| 5 | 91 | 68 |
| 6 | 88 | 79 |
| 6 I | 8.47 | 5.34 |
| 7 | 92 | 88 |
| 7 I | 6.87 | 4.92 |
| 8 | 85 | 83 |
| 8 I | 8.98 | 6.75 |
| 9 | 82 | 70 |
| 9 I | 7.75 | 6.70 |
| 10 | 86 | 79 |
| 10 I | 8.28 | 6.86 |
| 11 | 82 | 72 |
| Final | 75 | 65 |

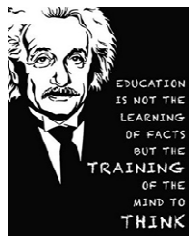


**Table Suggests:
Attending Lecture Practice Quiz
Improves Grade**

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**“Numbers” suggest:
Attending class
&
Taking practice quizzes
will raise the final grade!**



**In other words,
CEM 101
Is no different from any other college class ...**

Good grades come from good study habits

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**At the start of the semester:
Everyone has an “A”**

- You keep that “A” by:**
- Attending Class**
 - Doing Practice Quizzes**
 - Asking Questions**
 - Talking / e-mailing Instructor**



Typically: > 50 % A's ; ~ 90% A's or B's

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Never Give Up! Never Surrender!



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