

Name: _____

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Instructor: _____

Date: _____

Class Time: _____

Unit 2 Module B Notes Sections 5.1 - 5.7, 7.1 - 7.4

View the PowerPoint, Videos, or Textbook for Module 2B.

Vocabulary **Fill in the blank.**

1. The notation $n\%$ means, “ n per _____.”

Problems **Fill in the blanks, and Show ALL steps.**

1. (Section 5.1, 5.2) Complete the table with simplified values in the correct notation:

Percentage	Decimal	Fraction
25%	0.25	$\frac{1}{4}$
18%		
	0.45	
		$\frac{2}{5}$

2. (Section 5.3, 5.4) Solve

- a. What is 30% of 112?
- b. 15 is 80% of what?
- c. What percentage of 90 is 27?

3. (Section 5.6) Maurice earns a commission of \$6,048 from the sale of a Lexus, priced at \$50,400. What is Maurice's commission rate?

4. (Section 5.6) A home theater system is marked down from \$3999 to \$3180. What is the discount, and what is the rate of discount? (Round to the nearest 0.1%)

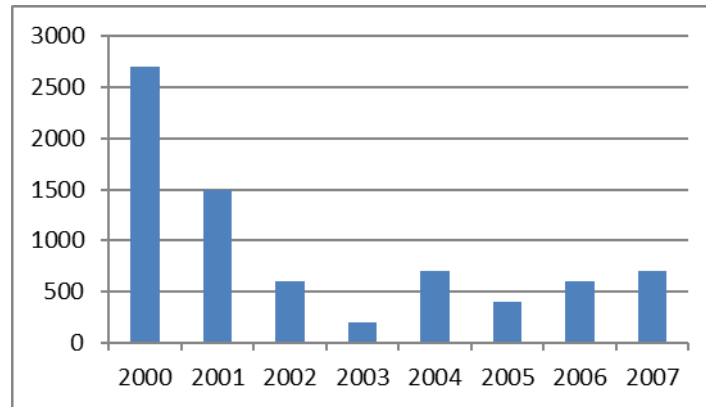
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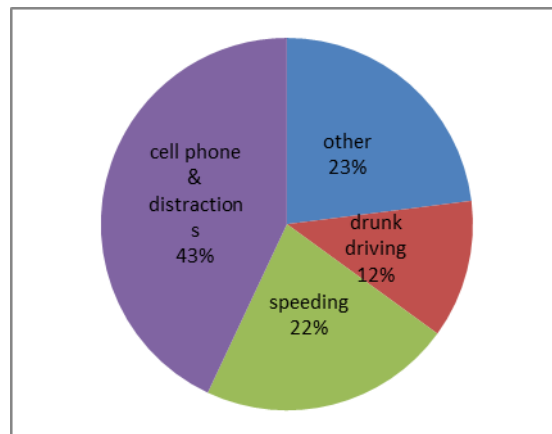
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5. (Section 7.3) The following graph shows the amount of oysters harvested from the Chesapeake Bay, in thousands of pounds, for the years from 2000 to 2008:



- a. Between which years did the harvest decrease? List all possible answers.
- b. For which years was the harvest about 500 thousand pounds? List all possible answers.
6. (Section 7.4) the circle graph below shows the percentage of traffic accidents for each of the leading causes in 2008:



Which other two leading causes add up to more than “cell phone & distractions?”