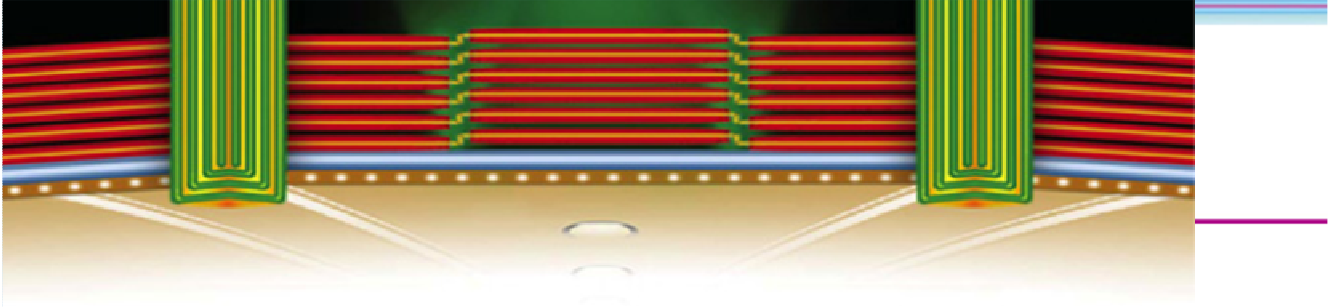


## Warm - Up 8/20/2013

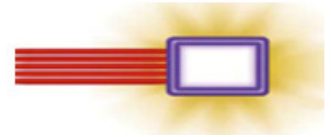
- 1) Find the sum:  $1 + 2 + 3 + \dots + 105$
- 2) Find the sum:  $1 + 3 + 5 + \dots + 105$
- 3) What is the next probable number in the sequence?

1, 4, 9, 16, 25, \_\_\_\_\_



# Section 1-4

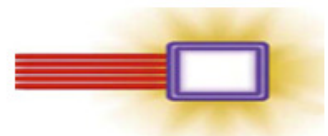
Calculating, Estimating, and  
Reading Graphs



# 1.4 Calculation

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There are many types of \_\_\_\_\_ such as **four-function**, **scientific**, and **graphing**.



## Example: Calculation

Use your calculator to find the following:

- a)  $\pi$
- b)  $\sqrt{2601}$
- c)  $1.5^4$

### Solution

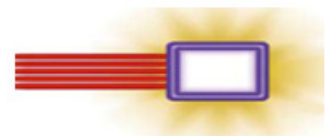
- a) 3.14159265 (approximately)
- b) 51
- c) 5.0625



## Estimation

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There are many times when we only need an estimate to a problem and a calculator is not necessary.



## Example: Estimation

A) A 20-ounce box of cereal sells for \$3.12.  
Approximate the cost per ounce.

B) How could you  
estimate an 18% tip?  
What would cause you to  
leave a higher or lower tip?

Welcome to Mel's

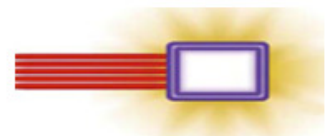
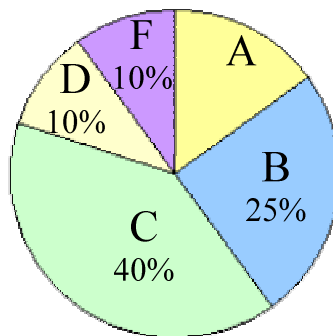
Check #: 0001	12/20/11
Server: Josh F	4:38 PM
Table: 7/1	Guests: 2
-----	
2 Beef Burgr (@9.95/ea)	19.90
SIDE: Fries	
1 Bud Light	3.79
1 Bud	4.50
-----	
Sub-total	28.19
Sales Tax (8.9%)	2.50
TOTAL	30.69
-----	
Balance Due	30.69

Thank you for your patronage!

## Example: Circle Graph (Pie Chart)

**Explain** how to use the circle graph below to determine how many of the 140 students received credit for the class.

**Letter Grades in College Algebra**



## Rally coach activity



p. 38: 2-12 even, 25, 26,  
37-40, 53-56

#41 On Your Own

(MAKE SURE IT IT'S SCHOOL APPROPRIATE)- Due 8/22