

MATHEMATICS IC
Course Outline:2253

I. Textbook Assignment Options:

- A. *Working With Numbers, Level E (2.5 credits)*
- Units 1 - 5; read and complete all units and unit reviews.
 - Complete Extension Activities A and B.
- B. *Working With Numbers, Level F (2.5 credits)*
- Units 3 -7; read and complete all units and unit reviews.
 - Complete Extension Activities C and D.

II. Extension Activities

- A. Baseball Math I:
Log onto the following Internet website: www.mlb.com. Locate the link for “players.” List the number of home runs hit by Cal Ripken, Jr., Ken Griffey, Jr., and Mark McGwire in their careers. Given the fact: The distance between all bases is 90 feet. How many feet did each player have to run? Which player ran the furthest?
(NS 3-1.0: Alg 3-1.0, 2.0: SDAP 3-1.0: MR 3-1.0)
- B. Baseball Math II:
Using the information from Baseball Math I, create a graph showing each players home run statistics using the Excel program.
- Open Excel by clicking on start and selecting Programs/Microsoft Excel.
 - Type the players' names in cells A1, A2, and A3.
 - Type in the number of home runs in cells B1, B2, and B3.
 - Highlight both the players' names and the number of home runs.
 - On the tool bar, click Chart Wizard to create graph.
 - Select column as the graph to create/Click on the Next button twice.
 - Click on Titles tab and in the chart title window type: Home Runs.
 - Click on the Next button once.
 - Select: As An Object In: Sheet 1
 - Click on the finish button and print a copy of your graph, turn in with assignment.
(Alg 3-1.0, 2.0: MG 3-1.0: SDAP 3-1.0: MR 3-1.0)
- C. Pie Shop:
You work in a pie shop. A large group of teenagers ordered pie. They ordered: 4 pieces of strawberry, 6 of lemon, 5 of chocolate, 7 of coconut cream, and 3 pieces of custard. Each pie can be divided into eight pieces. Draw a pie graph showing how much of each pie was ordered. Write a fraction for each pie. Shade the number of pieces that were bought. Tell how many pieces of each pie would be left.
(NS 3-3.0: Alg 3-2.0: MG 3-1.0, 2.0: SDAP 3-1.0: MR 3-1.0,2.0)

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D. Going on Vacation

You and a friend have \$3000 to go on vacation. You will be sharing all expenses so you need to budget $\frac{1}{2}$ for your share of the trip. You have a choice of going to Las Vegas, Hawaii, or Disney World in Florida. Choose a destination, how many days you will be vacationing, the hotel room, cost of meals, and any entertainment costs. Design an itinerary that would fit your budget. You may use the following Internet sites for calculating flight and accommodation costs: www.travelocity.com, www.expedia.com, www.disney.com, www.orbitz.com, www.lasvegas.com. Also, estimate the costs for food and entertainment. Type your itinerary in MS Word or Excel. Print any web pages you used to calculate your expenses. (NS 3-1.0, 2.0: Alg 3-1.0, 2.0: SDAP 3-1.0: MR 3-1.0, 2.0)

E. Teacher generated activity, approved by the site administrator

III. Evaluation

- Unit and/or final test.
- All textbook work must meet the 70% accuracy level for a “C” grade.