## WAMC Lab Template

Math Concept(s): Student Height Pension Calculation Source / Text: Financial Algebra Cengagebest used with section 6-4 Developed by: Jason Spakousky jspakousky@mlsd.org E-Mail: Date: Summer In-service 2013

### Attach the following documents:

Lab Instructions

Overview: You are going to use your class as a visual representation of how to calculate a pension. Each student will represent a year of working in a company and their height in inches will represent how much they got paid for that year.

Directions:

Describe the overview for the students.

2. Have the students line up across the room and have them decide on the 5 tallest students in the class.

3. Ask for a volunteer for a recorder (someone to write the data down on the board), and two volunteers to measure.

4. Have them measure the individuals to the nearest quarter inch.

5. Have the recorders fill out the information in a table with 3 columns. Column 1 should be student name, column 2 will be height and column 3 will be salary.

6. Have them refer to their notes (example 3) to see how to calculate the annual amount of the pension once they retire. They will fill this out on the worksheet.

7. For added difficulty, have students complete the second problem on the worksheet which requires them to convert inches to centimeters for annual salary.

A good question to ask is why are pensions calculated on the five highest years of pay instead of the last 5 years of pay?

Student Handout(s)

Pension Worksheet for Student Height

Rubric and/or Assessment Tool

Visual Work with Students.....Results/Answers will vary based on student height.

### Short Description (Be sure to include where in your instruction this lab takes place):

Overview: You are going to use your class as a visual representation of how to calculate a pension. Each student will represent a year of working in a company and their height in inches will represent how much they got paid for that year.

### Lab Plan

Lab Title: Student Height Pension Lab

Prerequisite skills: Measurement, Average, Worked with Example 3 from Section 6-4.

Lab objective: Assist students in reinforcing the concept of calculating

## Standards:

### CCSS-M:

-Reasoning with Equations and Inequalities A-REI **Solve equations and inequalities in one variable** 

 3. Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.

Functions-Build Functions F-BF

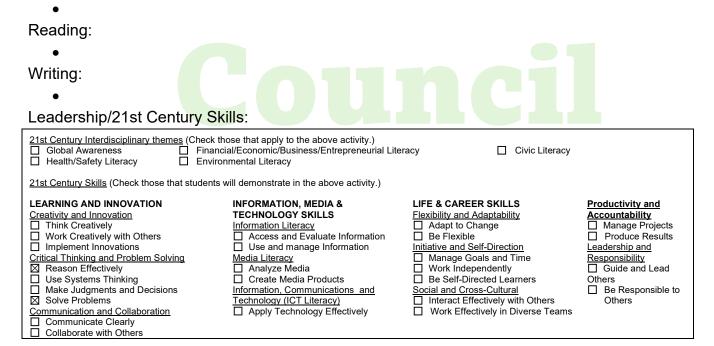
### Build a function that models a relationship between two quantities

1. Write a function that describes a relationship between two quantities

Standards for Mathematical Practice:

- MP.1 Makes sense of problems and persevere in solving them.
- MP.3 Construct viable arguments and critique the reasoning of others

State Standards addressed (2008 Washington State Mathematics Standards):



## Teacher Preparation: (What materials and set-up are required for this lab?)

## Materials

Tape Measure, Whiteboard Marker

Set-Up Required:

None

# Lab Organization Strategies:

Grouping/Leadership/Presentation Opportunities:

- Have students record
- Students will present their answers

Cooperative Learning:

• Some in student discussion

Expectations:

• Students will have a more concrete grasp of how pensions are calculated. Timeline:

• 15 Minutes

# Post Lab Follow-Up/conclusions:

Discuss real world application of learning from lab

- Students will be able to calculate pensions.
- Ask students why they think that they will use the highest paid years vs. the last five years.
- Ask students if a pension is better than a 401K or other retirement.

**Career Applications** 

• Applies to virtually every career.

Optional or Extension Activities



# Student Height Pension Lab

Name

Directions: Record the height of the five tallest students in class and use that information to solve the following scenarios. Also record the number of students in the class. They will represent the years worked.

Student Name	Height Inches (nearest quarter)	Salary

Number of students in classroom:

Scenario 1- Steven worked for a lumber mill. He is getting ready to retire. His pension will be calculated by taking the average of his five highest paid years of work. He receives two percent of that average for every year that he worked.

- 1. Write an equation that figures out the percentage he will get paid. Let x be the years worked.
- 2. How much will he get paid annually as a salary?
- 3. How much would each paycheck be if he got paid biweekly?

Scenario 2- For this scenario, convert inches to centimeters. There are 2.54 centimeters in every inch. Stan worked for a steel mill. He is getting ready to retire. His pension will be calculated by taking the average of his five highest paid years of work. He receives one and a half percent of that average for every year that he worked.

- 1. Write an equation that figures out the percentage he will get paid. Let x be the years worked.
- 2. How much will he get paid annually as a salary?
- 3. How much would each paycheck be if he got paid biweekly?

# WAMC Lab Template

Math Concept(s): The Best Job for You, Source / Text: Financial Algebra, best used after 6-4. Developed by: Jason Spakousky E-Mail: jspakousky@mlsd.org Date: Summer In-service 2013

## Attach the following documents:

Lab Instructions

- 1. Split up into groups of 4
- 2. Tell the group the directions:

"You just graduated and applied at 4 different jobs. You were such an amazing candidate, that you were able to get 4 different job opportunities and you have to decide which job to take. As a group, you are to organize the jobs in order from best to worst. BE PREPARED TO DEFEND YOUR DECISION!"

3. Pass out the 4 different job opportunity scenarios.

4. Ask groups to share and defend their answers. "Person who was born furthest away from the school will present."

## ASK

- How did you determine which opportunity is best?
- Is there any additional information that would have made your decision easier?
- Is financial compensation the only consideration?
- How do we quantify (put a number to) benefits that are not financial compensation (better hours, closer to home, less travel, more travel, etc.)?

5. Have them flip over their four jobs sheets and help them fill out the tables for the compensation on the bottom. Review the connections between example 1 and paid vacation compensation and example 2 and the compensation for insurance. Remind them that they learned how to calculate pay (weekly, biweekly, bimonthly, etc.) in prior sections. You will need to introduce the concept of the employer match for a 401K. Work through Job 3 as a class, then let them complete the tables for the rest of the jobs in their groups.

After the allotted time, go through the answers with them to check for understanding.

## Questions ask.

How would you calculate other benefits like paid holidays or sick leave? What is the most important employee benefit to you?

Student Handout(s)

4 Job Possibility Handouts

Rubric and/or Assessment Tool

4 Job Possibility Key

## Short Description (Be sure to include where in your instruction this lab takes place):

### Lab Plan

Lab Title: The Best Job for You

Prerequisite skills: Calculate weekly, biweekly, monthly pay. Finding percentages.

Lab objective: Teach students how to include employee benefits when calculating employee compensation.

## Standards:

CCSS-M:

Algebra-Creating Equations A-CED

## Create equations that describe numbers or relationships

• 1. Create equations and inequalities in one variable, including equations with coefficients represented by letters.

Algebra-Reasoning with Equations and Inequalities A-REI Solve equations and inequalities in one variable

• 3. Solve linear equations and inequalities in one variable, including equations with coefficients represented by letters.

Standards for Mathematical Practice:

State Standards addressed (2008 Washington State Mathematics Standards):

•

Reading:

•

Writing:

•

## Leadership/21st Century Skills:

	nose that apply to the above activity.) cial/Economic/Business/Entrepreneurial Lite nmental Literacy	eracy 🗌 Civic Literacy			
21st Century Skills (Check those that students will demonstrate in the above activity.)					
LEARNING AND INNOVATION Creativity and Innovation ☑ Think Creatively □ Work Creatively with Others □ Implement Innovations Critical Thinking and Problem Solving ☑ Reason Effectively □ Use Systems Thinking ☑ Make Judgments and Decisions ☑ Solve Problems Communication and Collaboration ☑ Communicate Clearly ☑ Collaborate with Others	INFORMATION, MEDIA & TECHNOLOGY SKILLS Information Literacy △ Access and Evaluate Information △ Use and manage Information Media Literacy △ Analyze Media ○ Create Media Products Information, Communications and Technology (ICT Literacy) △ Apply Technology Effectively	LIFE & CAREER SKILLS Flexibility and Adaptability Adapt to Change Be Flexible Initiative and Self-Direction Manage Goals and Time Work Independently Be Self-Directed Learners Social and Cross-Cultural Mork Teffectively with Others Work Effectively in Diverse Teams	Productivity and         Accountability         □       Manage Projects         □       Produce Results         Leadership and         □       Guide and Lead         Others       □         □       Be Responsible to Others		

# Teacher Preparation: (What materials and set-up are required for this lab?)

## Materials

• 4 Jobs Worksheets

Set-Up Required:

• None, but a projector does help. Must cover examples 1 & 2 from section 6-4.

# Lab Organization Strategies:

Grouping/Leadership/Presentation Opportunities:

- Each team has a presenter and a recorder. Cooperative Learning:
- Students will work cooperatively in groups. Expectations:
  - •

Timeline:

• 25 min.

# Post Lab Follow-Up/conclusions:

Discuss real world application of learning from lab

- Students will be able to compare the compensation packages of different job offers in monetary terms.
- Discuss cost of living in different areas.

**Career Applications** 

• All careers

Optional or Extension Activities

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# <u>Job 1</u>

### **REGISTERED NURSE - EXPERIENCED**

Department: University of Washington Medical Center Job Location: UW Medical Center Closing Info: Open Continuous Salary: \$4598-5273/month full time DOE plus differentials Shift: all shifts available

As a teaching hospital and research center, we're deeply committed to the enhancement of care for our patients-as well as the professional growth of our staff. As a testament to this commitment, we're proud to be recognized with Magnet Hospital status by the American Nurses Credentialing Center. In fact, we were the first hospital to receive this designation. We're also consistently named one of the nation's best hospitals, as reported by U.S. News and World Report.

Such national recognition attests to our commitment to high-quality care, and to the outstanding professionalism and skill that exists at UWMC. As a registered nurse (RN), you can be a part of this highly skilled team, working within a culture that is both innovative and collaborative. Here, you will work in tandem with physicians and other health care practitioners to provide superior, award-winning nursing care. In short, you will not only follow best practice, you will create it!

Registered Nurse positions are eligible for participation in the Employee Referral Pilot Program. If you were referred to these positions from a current UW employee, be sure to give them credit. In order for employees to be eligible for the ERP incentive, you must include their name in the assessment you will be asked to take following your application for this position.

# <u>Job 2</u>

Department: General Neurology Care Schedule: Full-Time Shift: Day Hours: 8:00am -5:00pm Hours Per Pay Period: 80 Salary: WS1 305: Minimum \$27.32 per hour + DOE

Job Details:

#### **Mission:**

Evergreen Health will advance the health of the community it serves through our dedication to high quality, safe, compassionate, and cost-effective healthcare. Job Summary:

Responsible for the total direct nursing care of all patients within established standards of care, hospital and unit policies, procedures, and guidelines.

Essential Job Functions:

1. Provides direct patient care and functions as a patient advocate. 2. Assesses the comprehensive nursing needs of an assigned group of patients. 3. Coordinates the patient and family/significant other education process. 4. Continuously plans, implements, and evaluates patient care, incorporating patient and family/significant other into the process. 5. Participates with physician partners and other interdisciplinary team members to develop and implement patient and family/significant other plan of care. 6. Communicates effectively all relevant information (e.g., patient information, safety issues, problems with equipment, quality issues, etc.) to immediate supervisor, in timely way. 7. Communicates and documents changes in patient condition, on a timely basis, to charge nurse/supervisor and physician.

# <u>Job 3</u>

Department: General Resident Care Schedule: Full-Time Shift: Day Hours Per Pay Period: 80 Salary: WS1 305: Minimum \$52K + DOE

The LICENSED PRACTICAL NURSE (LPN) or REGISTERED NURSE (RN) delivers quality care to residents ensuring all applicable laws, regulations, and Life Care standards are met. Reports to Director of Nursing (DON) or other Nursing Supervisor. Full-time evening shift available.

Competitive benefits offered including medical, dental, vision, and life insurance, as well as 401(K), and paid vacation, sick days, and holidays.

# Council

# <u>Job 4</u>

Job Description:

RN -Ambulatory Interventional - GI/Endoscopy Seattle, WA Full-time, 40 Hours/Week 7:30am - 6:00pm, Mon- Fri + some Call \$2,000 biweekly Salary + DOE 6 Week paid vacation \$500 Healthcare benefit stipend

Known for innovations in patient care, and named one of the top hospitals in the nation, Virginia Mason Medical Center, located in Seattle, WA, is a regional referral, teaching and research center. At VMMC you'll find Nursing careers are given top priority. We are the only medical center in the region with a nursing executive on its Board of Directors. You will participate in collaborative practice and Shared Governance in an environment where nurses excel and are valued.

The registered nurse provides high quality, skilled nursing services to assist patients to achieve optimum health and functional health status while receiving an invasive procedure. Through collaboration with physicians and other health care professionals, the nurse prepares the patient and family for return to home or to the patient's current care environment.

# <u>Job 1</u>

### **REGISTERED NURSE - EXPERIENCED**

Department: University of Washington Medical Center Job Location: UW Medical Center Closing Info: Open Continuous Salary: \$4598-5273/month full time DOE plus differentials Shift: all shifts available

As a teaching hospital and research center, we're deeply committed to the enhancement of care for our patients-as well as the professional growth of our staff. As a testament to this commitment, we're proud to be recognized with Magnet Hospital status by the American Nurses Credentialing Center. In fact, we were the first hospital to receive this designation. We're also consistently named one of the nation's best hospitals, as reported by U.S. News and World Report.

Such national recognition attests to our commitment to high-quality care, and to the outstanding professionalism and skill that exists at UWMC. As a registered nurse (RN), you can be a part of this highly skilled team, working within a culture that is both innovative and collaborative. Here, you will work in tandem with physicians and other health care practitioners to provide superior, award-winning nursing care. In short, you will not only follow best practice, you will create it!

Registered Nurse positions are eligible for participation in the Employee Referral Pilot Program. If you were referred to these positions from a current UW employee, be sure to give them credit. In order for employees to be eligible for the ERP incentive, you must include their name in the assessment you will be asked to take following your application for this position.

#### The Benefit Details

Annual Benefit	
TOTAL=	

Salary \$4,598 a month Health Benefits \$800 a month contribution 4 Weeks Paid Vacation 3% Employer Match to 401K

# Washington Applied Math Council

# <u>Job 2</u>

Department: General Neurology Care Schedule: Full-Time Shift: Day Hours: 8:00am -5:00pm Hours Per Pay Period: 80 Salary: WS1 305: Minimum \$27.32 per hour + DOE

Job Details:

### Mission:

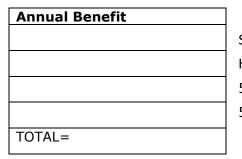
Evergreen Health will advance the health of the community it serves through our dedication to high quality, safe, compassionate, and cost-effective healthcare. Job Summary:

Responsible for the total direct nursing care of all patients within established standards of care, hospital and unit policies, procedures, and guidelines.

Essential Job Functions:

1. Provides direct patient care and functions as a patient advocate. 2. Assesses the comprehensive nursing needs of an assigned group of patients. 3. Coordinates the patient and family/significant other education process. 4. Continuously plans, implements, and evaluates patient care, incorporating patient and family/significant other into the process. 5. Participates with physician partners and other interdisciplinary team members to develop and implement patient and family/significant other plan of care. 6. Communicates effectively all relevant information (e.g., patient information, safety issues, problems with equipment, quality issues, etc.) to immediate supervisor, in timely way. 7. Communicates and documents changes in patient condition, on a timely basis, to charge nurse/supervisor and physician.

## The Benefit Details



Salary \$27.32 an hour (40 hour week) Health Benefits 90% of a \$1,200 a month policy 5 Weeks Paid Vacation 5% Employer Match to 401K

# <u>Job 3</u>

Department: General Resident Care Schedule: Full-Time Shift: Day Hours Per Pay Period: 80 Salary: WS1 305: Minimum \$52K + DOE

The LICENSED PRACTICAL NURSE (LPN) or REGISTERED NURSE (RN) delivers quality care to residents ensuring all applicable laws, regulations, and Life Care standards are met. Reports to Director of Nursing (DON) or other Nursing Supervisor. Full-time evening shift available.

Competitive benefits offered including medical, dental, vision, and life insurance, as well as 401(K), and paid vacation, sick days, and holidays.

## The Benefit Details



# <u>Job 4</u>

Job Description:

RN -Ambulatory Interventional - GI/Endoscopy Seattle, WA Full-time, 40 Hours/Week 7:30am - 6:00pm, Mon- Fri + some Call \$2,000 biweekly Salary + DOE 6 Week paid vacation \$500 Healthcare benefit stipend

Known for innovations in patient care, and named one of the top hospitals in the nation, Virginia Mason Medical Center, located in Seattle, WA, is a regional referral, teaching and research center. At VMMC you'll find Nursing careers are given top priority. We are the only medical center in the region with a nursing executive on its Board of Directors. You will participate in collaborative practice and Shared Governance in an environment where nurses excel and are valued.

The registered nurse provides high quality, skilled nursing services to assist patients to achieve optimum health and functional health status while receiving an invasive procedure. Through collaboration with physicians and other health care professionals, the nurse prepares the patient and family for return to home or to the patient's current care environment.

### The Benefit Details

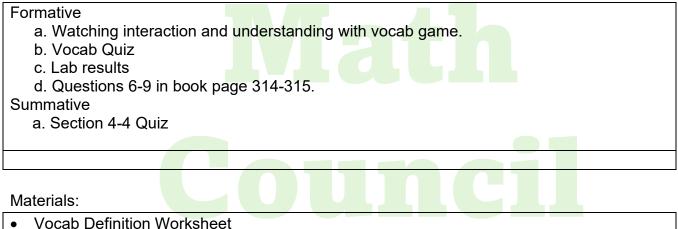
Annual Benefit	
TOTAL=	

Salary \$2,000 biweekly Health Benefits 75% of a \$1,200 a month policy 6 Weeks Paid Vacation 1% Employer 401K Match

Name(s): Jason Spakousky, Brynne Sasko	r
Lesson Title: Employee Benefits	
Date: 6/26/2013	
Text: Financial Algebra (Cengage)	Lesson Length: 110 min.
Domain: Algebra & Functions	
Big Idea (Cluster): Creating Equation, Build	ing Functions
Common Core State Standards:	
Algebra-Creating Equations A-CED <b>Create equations that describe numbers</b> 1. Create equations and inequalities in one represented by letters.	o <b>r relationships</b> variable, including equations with coefficients
Algebra-Reasoning with Equations and Ine Solve equations and inequalities in one	
3. Solve linear equations and inequalities in	
coefficients represented by letters.	· · · · · · · · · · · · · · · ·
Functions-Build Functions F-BF Build a function that models a relations 1. Write a function that describes a relation	
Mathematical Practice(s):	
MP.1 Makes sense of problems and persev	vere in solving them.
MP.3 Construct viable arguments and critic	ue the reasoning of others
Content Objectives:	Language Objectives:
Day 1	
Students will be able to understand the     difference between required and other	
difference between required and other employee benefits and how benefits are an	
added bonus to receiving a paycheck.	
Day 2	
<ul> <li>Students will be able to compare and</li> </ul>	
contrast different employment	
opportunities to determine the highest	
employee compensation.	
Veeebulen	Connections Driver to Learning:
Vocabulary:	Connections Prior to Learning:
Linployee benefits	Finding percentages
<ul> <li>Insurance</li> <li>Paid vacation time</li> </ul>	Writing linear equations Writing piecewise functions
Faiu vacation time	Finding the Average (Mean)
<ul><li>Paid holiday time</li><li>Retirement plans</li></ul>	Calculating monthly, weekly, semimonthly and
<ul> <li>Stock ownership plans</li> </ul>	biweekly payroll
<ul> <li>Family health care</li> </ul>	
	annliedmath org/
<ul> <li>Individual health care</li> </ul>	appliedmath.org/
<ul> <li>Individual health care</li> <li>Pension</li> </ul>	appliedmath.org/

<ul> <li>Base period</li> <li>Worker's compensation</li> <li>401K (not in chapter)</li> </ul>	
Questions to Develop Mathematical	Common Misconceptions:
<ul> <li>Thinking:</li> <li>If you were given the opportunity to choose between three jobs, how would you determine which opportunity is best?</li> <li>Is financial compensation the only consideration?</li> <li>How do we quantify (put a number to) benefits that are not financial compensation (better hours, closer to home, less travel, more travel, etc.)?</li> </ul>	<ul> <li>Students use the sum of the salary instead of the average of the salary when calculating pensions.</li> <li>Students will often think that worker's compensation is the same as health insurance.</li> </ul>

Assessment (Formative and Summative):



- Memory Game with Vocab & Definitions
- 4 Jobs Samples (Blanks on one side, detailed on the other)

## Instruction Plan:

Day 1 Launch:

Have students answer the following questions in their journal.

What is more important in selecting a job, getting paid more money or having a better quality of life (closer to home, more vacation time, better hours, etc.)? Explain

Do employees get other forms of compensation (pay) besides their paychecks? List as many as you can.

Share what you have written with your elbow partner.

Pass out Vocab worksheet and read definitions for them to fill out.

## Day 2 Launch:

Have students answer the following questions from their journals after following the assigned

reading of "What Benefits Matter Most to Job Seekers".

Which of those employee benefits are most important to you? Why?

Why do you think that health care matters most to people earning less than \$90K vs. vacation time mattering most to people over \$90K

Why do you think that women prefer vacation time while men prefer performance benefits?

Share what you have written with a neighbor.

- 1. Split up into groups of 4
- 2. Tell the group the directions:

"You just graduated and applied at 4 different jobs. You were such an amazing candidate, that you were able to get 4 different job opportunities and you have to decide which job to take. As a group, you are to organize the jobs in order from best to worst. BE PREPARED TO DEFEND YOUR DECISION!"

3. Pass out the 4 different job opportunity scenarios.

4. Ask groups to share and defend their answers. "Person who was born furthest away from the school will present."

# ASK

- How did you determine which opportunity is best?
- Is there any additional information that would have made your decision easier?
- Is financial compensation the only consideration?
- How do we quantify (put a number to) benefits that are not financial compensation (better hours, closer to home, less travel, more travel, etc.)?

Day 1Explore:

Memory Game with Key Terms

Prep: Choose 12 key terms. Write the words down and definitions down on 24 index card. (Terms and definitions on separate cards). Tape face down and upside down on the whiteboard in the front of the room in a  $6 \times 4$  grid. (The cards are upside down because when they flip the card up, it will right side up). Once the cards are taped up, number the cards from 1 to 24 where it is easily read.

Steps:

1. Ask for a couple of students to volunteer to be Vanna White. (They read the terms or definition that are selected)

2. Split the rest of the room into 3 or 4 groups/teams

- 3. Explain the rules.
  - a. A member of the team will select two numbers to try to get a match.

b. If the team gets a match, then you take down the two cards and give it to the team with a match and then the next team member goes. If the team does not get a match, then it goes to the next team.

c. Team members must rotate who selects the "match".

d. The game ends when the last match is made

Read pages 310-311 as a class.

Conduct the "Student Height Pension Lab"

Overview: You are going to use your class as a visual representation of how to calculate a pension. Each student will represent a year of working in a company and their height in inches will represent how much they got paid for that year.

Directions:

1. Describe the overview for the students.

2. Have the students line up across the room and have them decide on the 5 tallest students in the class.

3. Ask for a volunteer for a recorder (someone to write the data down on the board), and two volunteers to measure.

4. Have them measure the individuals to the nearest quarter inch.

5. Have the recorders fill out the information in a table with 3 columns. Column 1 should be student name, column 2 will be height and column 3 will be salary.

6. Have them refer to their notes (example 3) to see how to calculate the annual amount of the pension once they retire. They will fill this out on the worksheet.

7. For added difficulty, have students complete the second problem on the worksheet which requires them to convert inches to centimeters for annual salary.

A good question to ask is why are pensions calculated on the five highest years of pay instead of the last 5 years of pay?

Explore Day 2

Complete examples 1-3 from the book as guided practice. Have them fill out their notebooks as you do the work with them.

Vocab Shuffle

1. Take the term cards from the matching game and shuffle them up.

2. Tell the students that you are going to pass out one card to each of them and that they have to get out of their seats and find their match. Once they have found their match, they move to the front of the room. Tell them that they have 60 seconds to find their match.

- 3. Pass out the cards.
- 4. Say "go" and time them.

5. Once the pairs have been matched, go through and have the kids read their card loudly to the group to make sure that they have the match.

6. Repeat and see if they can get a "record" time.

Have them flip over their four jobs sheets and help them fill out the tables for the compensation on the bottom. Review the connections between example 1 and paid vacation compensation and example 2 and the compensation for insurance. Remind them that they learned how to calculate pay (weekly, biweekly, bimonthly, etc.) in prior sections. You will

need to introduce the concept of the employer match for a 401K. Work through Job 3 as a class, then let them complete the tables for the rest of the jobs in their groups.			
After the allotted time, go through the answers with them to check for understanding.			
Questions ask. How would you calculate other benefits like paid holidays or sick leave?			
What is the most important employee benefit to you?			
	]		
Questions to Develop Mathematical Thinking as you observe:	1		
Answers:	1		
Summarize:	1		
Day 1- Use an exit slip that asks them to describe how to calculate a pension.			
Day 2- Pass out employee benefit vocab quiz. Grade as a class if time allows.			
Day 2-1 ass out employee benefit voodb quiz. Chade as a class if time allows.			
	]		
Career Application(s):			
•	]		
	J		
21 <sup>st</sup> Century Skills and Interdisciplinary Themes:			
	T		
21st Century Interdisciplinary themes (Check those that apply to the above activity.)         Global Awareness       Financial/Economic/Business/Entrepreneurial Literacy         Health/Safety Literacy       Environmental Literacy			
21st Century Skills (Check those that students will demonstrate in the above activity.)			
LEARNING AND INNOVATION INFORMATION, MEDIA & LIFE & CAREER SKILLS Productivity and			
Creativity and Innovation         TECHNOLOGY SKILLS         Flexibility and Adaptability         Accountability           Think Creatively         Information Literacy         Adapt to Change         Manage Projects			
Think Creatively       Information Literacy       Adapt to Change       Manage Projects         Work Creatively with Others       Access and Evaluate       Be Flexible       Produce Results			
Implement Innovations Information Initiative and Self-Direction Leadership and			
Critical Thinking and Problem Solving       ☑ Use and manage Information       □ Manage Goals and Time       Responsibility         ☑ Reason Effectively       ☑ Media Literacy       ☑ Work Independently       ☑ Guide and Lead			
Use Systems Thinking Analyze Media Be Self-Directed Learners Others			
☑ Make Judgments and Decisions       □ Create Media Products       Social and Cross-Cultural       □ Be Responsible         ☑ Solve Problems       □ Information, Communications and       ☑ Interact Effectively with       to Others			
Solve ProblemsInformation, Communications and Technology (ICT Literacy)Interact Effectively withto OthersOthers			
Communicate Clearly			
Collaborate with Others Teams	1		