

Christmas Calculations



Essential Questions

- HOW DOES PRICE INFLUENCE PURCHASES?
- WHAT DECISIONS AFFECT BUYING DECISIONS?

Learning Intention / Overview

This mini lesson will allow students to put their computation skills to work, while having some Christmas fun. Students will be provided a budget (set amount of money to spend). They will be choosing items from the list for each member of their family. The goal is for them to divide their money evenly between each family member. Then, they will be choosing the best gifts for each family member.

Methods / Teaching Strategies

- Real-world math review
- Independent practice

Assessment of Learning

- Christmas Calculations worksheet (provided)

How might you customize or alter this lesson?

Key Learning Areas

Numeracy & literacy

Concepts Taught

Subtraction, problem-solving

Target Age

9 – 12 Year Olds

Duration

1 x 60 minute Session

You will need:

Christmas Calculations worksheet



edgalaxy.com

Cool Stuff for Nerdy Teachers

Online Resources:

- <http://edgalaxy.com/education-quotes>
- <http://edgalaxy.com/classroom-posters-charts/2013/9/10/14-educational-quotes-posters>
- <http://www.youtube.com/watch?v=iPnYfwLOw84>

Teaching Instructions

1. Explain to students that they are going to be creating a shopping list for each of their immediate family members.
2. They will want to just include the family members that live in their house. They should not include themselves.
3. Students will find out they have \$100 to spend.
4. They will first have to decide how much money they have to spend on each family member. (For example: if their immediate family has 5 members, they can spend \$20 on each family member.)
5. The next step is to choose items from the list that they think each family member would like. After that, they will need to keep track of their expenses.
6. The goal is to spend equal amounts on each family member.
7. Once they are finished shopping, they should have finished their shopping and spent the \$100. (It's okay if they have \$5.00 or less remaining.)
8. When they are finished shopping, they will need to answer the 2 Extension Questions provided.

Christmas Calculations



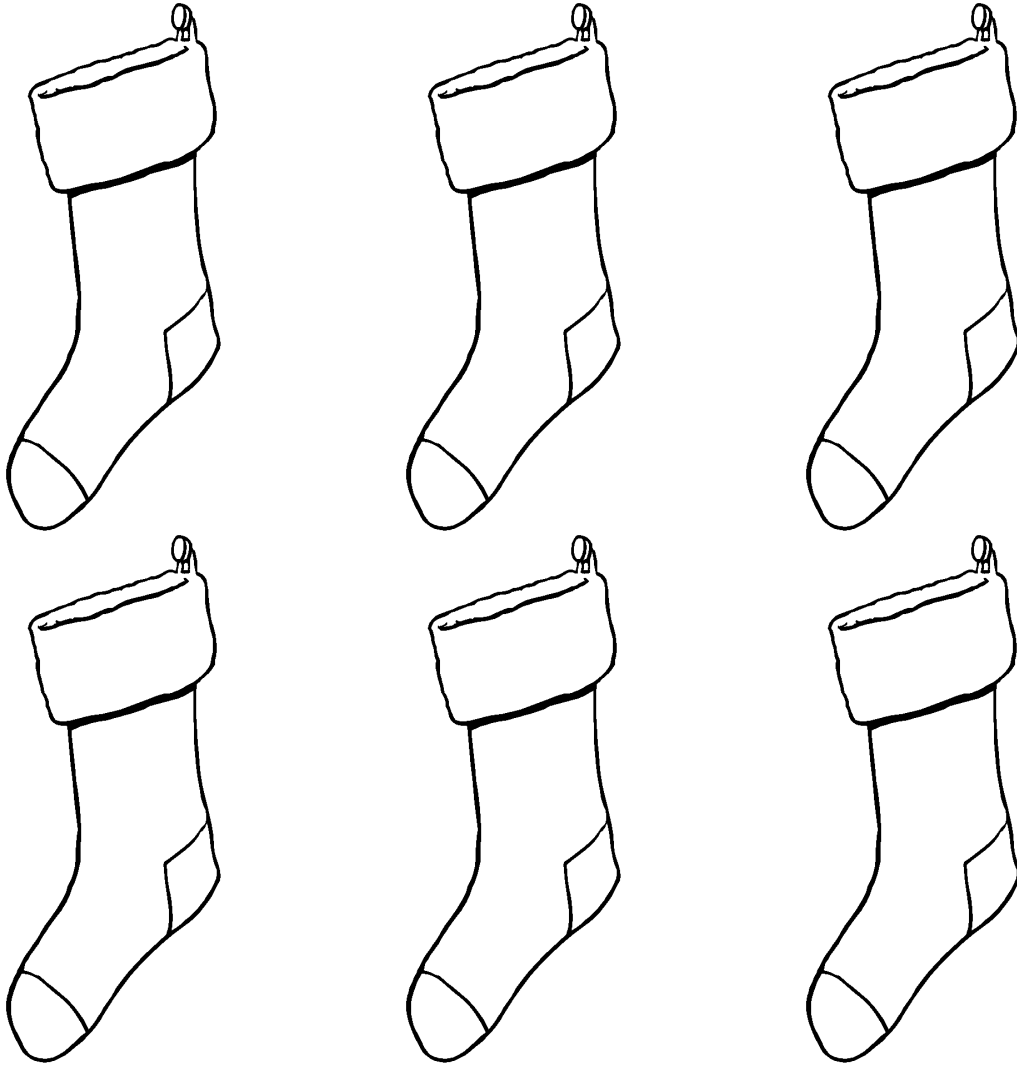
Step 1: Write the name of each person living in your house in the gift box below. These are the people that you will be shopping for. Do not include yourself.



Step 2: You have \$100 to spend. How much can you spend on each family member? (Example: if there are 4 people listed in the gift box, you can spend \$25 on each person.)

Christmas Calculations cont.

Step 3: Write the name of each person you listed in step 1 in a separate stocking. If there are more than six people on your list, you will need to draw additional boxes.



Christmas Calculations cont.

Step 4: List items from the Christmas Calculations catalog beside each family member's stocking. Then, add the sum of each item spent. When finished, use the box below to add up the amount for each family member to see if your total is between \$95 and \$100.



Christmas Calculations cont.

Christmas Calculations Catalog		
Baby doll \$9.99	Butterfly earrings \$5.49	Butterfly necklace \$5.49
Toy truck \$4.79	Play dough set \$8.99	Race track \$19.95
Cartoon pillow \$9.89	Penguin socks \$1.99	Dinosaur toy \$3.29
Fake snow kit \$3.99	Coloring book \$1.59	Crayons \$.59
Building block airplane kit \$11.99	Rainbow sand art kit \$7.69	Stuffed snowman \$6.79
Music CD \$12.99	DVD \$19.99	Karaoke set \$39.99
Battery-powered screwdriver \$10.39	Holiday tie \$7.99	Festive socks \$2.99
Windshield scraper \$4.59	Gloves \$7.99	Hat & Scarf (men's) \$9.99
Picture frame \$7.99	Singing key chain \$5.99	Photo key chain \$12.99
Mother themed magnet \$1.99	Key chain with light \$2.99	Car visor photo clip \$4.99
Animal themed USB jump drive \$14.99	Birthstone ring \$12.99	Christmas mug \$4.99
Cocoa mix \$6.99	Holiday cookie kit \$9.99	Hot chocolate mug \$5.79