

Cookie Mining Activity



North Dakota Lignite Geology, Mining and Reclamation

Mine Name: _____

Group Member Names: _____

Cookie Mining Rules

1. You can hold the cookie in place with a hand while mining.
2. You can break the cookie up and move chocolate chips only with the mining equipment.
3. A group can only mine one cookie at a time.
4. Multiple group members can work on mining the same cookie.
5. Large chocolate chunks are worth \$2 each and small chocolate chips are worth \$1 each.
6. Broken chocolate chip pieces may be combined to make a whole chip.
7. Broken equipment **MUST** be replaced.
8. Your teacher can fine you for cookie crumbs found outside your mining area.
9. Each minute of mining costs the company \$1 in employee salaries. If you mine for 10 minutes, the mine will pay salaries of \$10.
10. Your group can spend up to 15 minutes mining.

Expenses

Equipment and Land Expenses

	Quantity	Price	Total Price (Quantity x Price)
Flat Toothpick		\$1 each	
Round Toothpick		\$2 each	
Paperclip		\$3 each	
Store Brand Cookie		\$1 each	
Regular Cookie		\$2 each	
Deluxe Cookie		\$3 each	
Grand Total			<i>Box A (add boxes above together)</i>

Salary Expenses

Minutes to Complete Mining	
Salary	\$1 per minute
Total Salary Expense	<i>Box B (multiply boxes above together)</i>

Additional Expenses

Fine Amounts	
Equipment Replacement	
Total Additional Expenses	<i>Box C (add boxes above together)</i>

Income

	Number of Chips Mined	Sale Price	Total Price (Number Mined x Price)
Regular Chips		\$1 each	
Deluxe Chips		\$2 each	
Grand Total			<i>Box D (add boxes above together)</i>

Profit

Total Income (<i>Box D</i>)	
Total Expenses (<i>Box A + Box B + Box C</i>)	
Profit	<i>Box E (subtract expenses from income)</i>

Questions

1. Did your mine make a profit? _____
2. If you did this activity again, how could you make your mine more profitable?

