

Mining Rules and Cost Regulations Worksheet

Mining Rules:

1. You cannot use your hands to hold your cookie.
2. Only the mining equipment you bought can be used to touch the cookie throughout the entire mining process.
3. Each chocolate chip that you mine is worth \$1.00. Broken chocolate chips can be combined to make a whole one.
4. Every five minutes you mine costs \$2.00! Make sure you mine in a time-effective way.
5. You have to put the cookie back together at the end of activity, so make sure you mine in a way that is not too hard to put back together. You can only put the cookie back together with your mining tools - no hands allowed!

Cost Regulations:

- You begin with \$20.00.
- Your mining property costs: \$5.00.
- Mining costs: \$2.00 for every five minutes of mining.
- Equipment costs vary:
 - Toothpick (Mining Equipment) - \$3.00 each
 - Paper Clips (Mining Equipment) - \$4.00 each
- Reclamation costs: \$3.00 for every square your cookie is over.

Cookie Mining Grid

Chocolate Chip Mining Worksheet

Brand of Cookie: _____

Price of Cookie: \$5.00

Size of Cookie: _____ squares covered

Equipment Used:

_____ toothpick(s) x \$3.00 = \$ _____

_____ paperclip(s) x \$4.00 = \$ _____

Cost of Removing Chocolate Chips:

_____ minutes spent mining (5 minute intervals) x \$2.00 = \$ _____

Total Value of Chocolate Chips Mined:

_____ chocolate chips x \$1.00 = \$ _____

Reclamation Costs:

_____ squares above the original size of the cookie x \$3.00 = \$ _____

How much did you make?

Starting Amount		\$20.00
Total Cost of Mining (cookie, equipment, and mining costs)	Minus (-)	\$
Total Value of Chocolate Chips Mined	Plus (+)	\$
Reclamations Costs	Minus (-)	\$
Total Profit or Loss		\$

Did you balance the cost of mining? Did the profit from your chocolate chips make up any of the environmental damage you caused?

What would you do differently next time?

Play Money



