

Directions:

1. You are a coal miner with \$35. Buy some land (cookies) to place on your grid, but leave a few rows and columns between your land and the edge. Trace your land with a pencil.
2. How many full squares are inside your land? _____
3. Now it's time to buy some equipment! Don't forget to stay in your budget!



4. Record your costs:
Number of Cookies x \$7 each = _____
Number of Toothpicks x \$2 each = _____
Number of Paperclips x \$6 each = _____
Number of Skewers x \$4 each = _____

Number of minutes mining x \$1 each = _____

Land and Equipment	Cost
Cookie	\$7
Toothpick	\$2
Paperclip	\$6
Skewer	\$4

5. To start mining, use your tools to break up the land and extract the chocolate ore. You cannot use your fingers or tape to hold the cookie still. You must pay \$1 for every minute of mining to help pay for the restoration of the atmosphere and Earth, so keep a stopwatch or clock nearby. When done, record your total cost of mining above. If a tool breaks, you must buy a new one. Using broken tools is a safety hazard for your workers. Ready? Get set...Go!
6. Once you're done, you can sell your ore and reclaim the land. Gather your ore on your grid as close as possible outside of the land tracing, but make sure that none of them are on top of each other. Now gather your land back inside the original land tracing. Putting land back so that nature can heal is called reclamation.
7. Record your revenue:
Number of full squares of cookie after mining x \$2 each = _____
Number of full squares of ore after mining x \$2 each = _____
8. To find your revenue (money coming in), add everything from number 7: _____
Then find your cost (money going out) by adding everything from number 4: _____
Then subtract your cost from your revenue to find your total profit (the actual amount of money you made). How much did you make? _____
If it's a negative number, that means you spent more money than you made. If it's a positive number, that means you made some moolah!



