**Activity: Cookie Mining “Miner” Names\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Expenses:**

* **Mining Properties:** Chips Ahoy $5 Chips Deluxe $7
* **Equipment:** Toothpick $3 Paperclip $6
* **Reclamation:** $1 per square over original count

**Profits:**

* **Chips removed:** Each chip removed $2 profit

**Rules**

1. Each group has $19 to start. Record Expenses & profits below
2. Only 1 mining property per group. (2 choices with different value)
3. Trace the outline of the cookie on the graph paper. Count the # of squares; partial squares count as a full square. **RECORD NUMBER of squares \_\_\_\_\_\_\_\_**
4. Buy mining equipment.
   1. More than 1 piece of equipment may be bought.
   2. NO sharing of equipment between groups.
   3. **NO HANDS. NO FINGERS.** If observed, **$5 penalty for each event**.
   4. The ONLY things that can touch the cookie is are the mining tools & the graph paper the cookie is sitting on.
5. Sale of chocolate chip earns $2. (Broken chips can be combined to make 1 whole chip)
6. **Reclamation:** After the cookie has been mined, cookie crumbs must be placed back into circle on graph paper. (After mining, the “land” must be returned to its original condition to safeguard then environment.)
   1. **USE ONLY EQUIPMENT – NOT fingers or hands or $5 penalty.**
   2. Any piece of cookie outside of original circle results in reclamation cost of $1 per square over original count.)
7. **FIVE** minutes will be allowed to mine your cookie and reclamation. At the end of 5 minutes, equipment down, count chips, count squares beyond your original circle, calculate your profits.

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| **Expenses:** | **Total expense**  **For each row** |  | **INCOME** | **Total Income**  **For each row** |
| **Mining Property:**  Circle 1:   * Chips Ahoy $5 * Chips Deluxe $7 |  |  | Chip removal income  Number of chips  \_\_\_\_\_\_\_\_x $2 |  |
| **Equipment**: Tally   * Toothpick \_\_\_\_\_\_\_\_\_ x $3 * Paper clip \_\_\_\_\_\_\_\_\_\_x $6 |  |  |
| **Reclamation** \_\_\_\_\_\_\_squares x $1 |  |  |
| **Total cost of mining** (Add Property + Equipment + Reclamation) |  |  | **Total income from sale of chips** |  |

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| --- | --- | --- |
| **How Much Did I Make?** | | |
| Starting Money |  | $19 |
| Add Income from sale of chips | + |  |
| Subtract Total Cost of Mining | - |  |
| **PROFIT or LOSS** | = |  |