Name: _____ Date: _____ Class: _____

Cookie Mining Worksheet Example Answer

Profit & Loss Statement

Mining Expenses

Land Cost & Area

Cost of cookie = $___1200_____

Initial size of cookie (in squares) = $____45_____

Final size of cookie (in squares) = $____63_____

Mining Equipment Costs

Paperclip ___2___ x $500 = $__1,000_____

Round toothpick ___1___ x $300 = $___300_____

Flat toothpick ___0___ x $100 = $_____0_____

Total mining equipment costs = $___1300_____

Labor Cost (Time)

Minutes spent mining ___20__ x $50 = ___$1000___

Subtotal: Cost of Mining Operations

Cost of land/cookie + mining equipment costs + labor/time cost = $1200 + 1300 + 1000 = $3500

Reclamation Cost (land impacted by mining)

Final area taken up by cookie =___63___squares x $30 = ___$1890_____

Mining Revenue (from sale of chocolate ore)

Number of whole chips removed = __9____ x $500 = $___4500___

Number of "dirty" chips removed = __12___ x $200 = $___2400___

Number of grouped partial chips* removed = __10___ x $100 = $___1000___

* To sell partial chips, amass the partial chips into groupings that contain at least the amount of chocolate as an intact whole chip.

Subtotal: Total Mining Revenue

Income from whole chips + dirty chips + grouped partial chips = $__4500 + 2400 + 1000 = $7900

PROFIT (Net Revenue)

Mining revenue – cost of mining operations – reclamation cost = $_____2510_____

$7900 - $3500 - $1890 = $2510