Lab Framework

Text: Ammes
Unit 3, Unit 4, Unit 12 Unit 13
Short Description: Put together a competitive proposal from print

Lab Title
You can dig-it

Lab Objective
　　Your customer claims he can dig his pool cheaper than you can.
　　You can use the work since this is how you pay your bills
Vocabulary
　　Square, Elevation, Backhoe, Lazer Level, Cubic Yards
Material List
　　Square, Backhoe, Lazer Level
GLEs (State Standards) addressed
　　Math 1.1.6, 1.2.6, 5.3.1, 5.3.2

Things to note
　　Customer will pay $125.00 a day or $500.00 a week for backhoe.
　　Dump truck is $35.00 for 5 yd load.
　　Customer will be 10 days digging.
　　Your backhoe can move 3 cubic feet each dig.
　　Your dump truck can transport 10 yards each load, a round trip takes
　　1 hour.
　　Dirt can be sold for $125.00 a load.
　　You can dig 25 scoops an hour.
　　You pay the operator $18.00 per hour.
　　Dump truck and driver $20.00 per hour.
　　Your maintance expenses for this job is $325.00
　　Allowable profit 20%, Sales tax 7.9%

Hole

32' X 22' X 8'

32'x22'x8'=
 5632
  3cf   = scoops
  1877
  25 = 75 hours

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5632
 27cf = 208 yards
208
10 = 20.8 loads
        21 loads

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Backhoe operator	1350.00
Dump truck operator	1550.00
Equipment expense	350.00
	3250.00
20% P.O.	650.00
	3900.00
Sales tax	308.10
Customer price	$4208.10

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Dirt Sales	2625.00

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Customer Costs	
42 loads	1470.00
Backhoe	1000.00
	2470.00
Tax	195.13
	2665.13

Customer-2665.13   Bid-4208.10   Difference is 1542.97