Comparing Measurement with Tables and Equations   Name:

Solve each problem.

1) Two companies are selling electricity by Kilo-watt hour. The cost of electricity for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x kilowatt hours.

1. _____

Company A	
Total Kilowatt-Hours	**Total Cost ($)**
1236	98.88
1419	113.52

Company B
$y = 0.08x$

2. _____

Find the total cost in dollars of buying 1,018 kilowatt hours of electricity from the cheapest company.

3. _____

2) Two contractors are bidding on building a house. Contractor A's price is represented in the table below. Contractor B's price is represented by an equation, with y representing the total price and x representing the square feet of the house.

Contractor A	
Square Feet	**Total Price ($)**
1993	229,195
1202	138,230

Contractor B
$y = 118x$

Find the total price you'd get from building a 1,168 sq/ft house from the more expensive contractor.

3) Two companies are selling sugar by the pound. The cost of sugar for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x pounds of sugar.

Company A	
Total Pounds	**Total Cost ($)**
10	2.90
13	3.77

Company B
$y = 0.20x$

What is the difference in price per pound between Company A and Company B?

Solve each problem.

1) Two companies are selling electricity by Kilo-watt hour. The cost of electricity for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x kilowatt hours.

1. **81.44**

2. **137,824**

3. **0.09**

Company A

Total Kilowatt-Hours	Total Cost ($)
1236	98.88
1419	113.52

$y = 0.08x$

Company B

$y = 0.08x$

Find the total cost in dollars of buying 1,018 kilowatt hours of electricity from the cheapest company.

2) Two contractors are bidding on building a house. Contractor A's price is represented in the table below. Contractor B's price is represented by an equation, with y representing the total price and x representing the square feet of the house.

Contractor A

Square Feet	Total Price ($)
1993	229,195
1202	138,230

$y = 115x$

Contractor B

$y = 118x$

Find the total price you'd get from building a 1,168 sq/ft house from the more expensive contractor.

3) Two companies are selling sugar by the pound. The cost of sugar for Company A is represented in the table below, while the cost for Company B is represented by an equation, with y representing the total cost in dollars for x pounds of sugar.

Company A

Total Pounds	Total Cost ($)
10	2.90
13	3.77

$y = 0.29x$

Company B

$y = 0.20x$

What is the difference in price per pound between Company A and Company B?

1-3 | 67 | 33 | 0