# Comparing Measurement with Tables and Equations

Name:

**Solve each problem.**

**1)** 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 ($) |
|---|---|
| 1315 | 144,650 |
| 1795 | 197,450 |

**Contractor B**

y = 126x

Find the total price you'd get from building a 1,821 sq/ft house from the cheapest contractor.

1. _____

**2)** 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 ($) |
|---|---|
| 14 | 4.06 |
| 12 | 3.48 |

**Company B**

y = 0.29x

Find the total cost in dollars of buying 19 pounds of sugar from the more expensive company.

2. _____

**3)** 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.

**Company A**

| Total Kilowatt-Hours | Total Cost ($) |
|---|---|
| 1280 | 128.00 |
| 1312 | 131.20 |

**Company B**

y = 0.14x

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

3. _____

**Math**

1-3 | 67 | 33 | 0

Name:

**Solve each problem.**

**Answers**

1) 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 ($)** |
| 1315 | 144,650 |
| 1795 | 197,450 |

y = 110x

**Contractor B**

y = 126x

Find the total price you'd get from building a 1,821 sq/ft house from the cheapest contractor.

2) 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 ($)** |
| 14 | 4.06 |
| 12 | 3.48 |

y = 0.29x

**Company B**

y = 0.29x

Find the total cost in dollars of buying 19 pounds of sugar from the more expensive company.

3) 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.

| **Company A** | |
| --- | --- |
| **Total Kilowatt-Hours** | **Total Cost ($)** |
| 1280 | 128.00 |
| 1312 | 131.20 |

y = 0.10x

**Company B**

y = 0.14x

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

1. **200,310**

2. **5.51**

3. **0.04**

**Math**    www.CommonCoreSheets.com    8

1-3   | 67 | 33 | 0 |