| | | Compan | ing mousurer | nent with rables and Equations Mane. | | | | | |
|------|--------------------------------------|---|-----------------|---|---|--|--|--|--|
| Solv | ve each p | <u>Answers</u> | | | | | | | |
| 1) | Two con Compar by an ec | 1 | | | | | | | |
| | | 2. | | | | | | | |
| | | | ompany A | tal $y = 0.10x$ | | | | | |
| | | Total Ki | lowatt- | ost | 2 | | | | |
| | | Hou | irs (| \$) | 3 | | | | |
| | | 126 | 66 113 | 3.94 | | | | | |
| | | 105 | | .68 | | | | | |
| | | | | | | | | | |
| | Find the compan | | ollars of buyir | g 1,315 kilowatt hours of electricity from the cheapest | | | | | |
| 2) | Two con is represent represent | | | | | | | | |
| | Company ACompany BTotalTotaly = 30x | | | | | | | | |
| | | Boxes | Pieces | j con | | | | | |
| | | | | - | | | | | |
| | | 20 13 | 500 325 | - | | | | | |
| | | 15 | 525 | | | | | | |
| | | total number of most pieces p | | l get from buying 20 boxes of candy from the company | | | | | |
| 3) | represer | Two companies are selling beef jerky by the pound. The cost of jerky 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 jerky. Company A Company B | | | | | | | |
| | | Total | Total Cos | y = 12.00x | | | | | |
| | | Pounds | (\$) | | | | | | |
| | | 20 | 220.00 | | | | | | |
| | | 16 | 176.00 | | | | | | |
| | | L | Į | | | | | | |
| | What is | the difference | in price per po | ound between Company A and Company B? | | | | | |
| | | | | | | | | | |

| | | Comparir | ng Measurem | ent with Tables and Equations | Name: An | swe | r Key | |
|---------------------|--|---|-------------------|--|-----------------|-----|---------|--|
| Solve each problem. | | | | | | | Answers | |
| 1) | Compar | 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 Company B | | | 2. | 600 | | |
| | | Total Ki | lowatt- Tot Co | | | | 1 | |
| | | Hou | irs (\$ | | | 3 | 1 | |
| | | 126 | 66 113. | 94 | | | | |
| | | 105 | | 58 | | | | |
| | | $\mathbf{y} = \mathbf{0.09x}$ | | | | | | |
| | Find the total cost in dollars of buying 1,315 kilowatt hours of electricity from the cheapest | | | | | | | |
| | company. | | | | | | | |
| | | | | | | | | |
| 3) | т | | | | | | | |
| 2) | Two companies are selling boxes of candy. The pieces of candy you get from Company A is represented in the table below. The pieces of candy you get per how from Company P is | | | | | | | |
| | is represented in the table below. The pieces of candy you get per box from Company B is represented by an equation, with y representing the total number of pieces for x boxes. | | | | | | | |
| | I | Company A Company B | | | | | | |
| | | Total | Total | y = 30x | | | | |
| | | Boxes | Pieces | | | | | |
| | | 20 | 500 | | | | | |
| | | 13 | 325 | | | | | |
| | y = 25x | | | | | | | |
| | Find the total number of pieces you'd get from buying 20 boxes of candy from the company | | | | | | | |
| | with the most pieces per box. | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| • | - | | | | | | | |
| 3) | | - | | by the pound. The cost of jerky for Co he cost for Company B is represented l | | | | |
| | - | | | ollars for x pounds of jerky. | by an equation, | | | |
| | ,, ion 2 | | | | | | | |
| | | Company ACompany BTotalTotal Costy = 12.00x | | | | | | |
| | | Pounds | (\$) | | | | | |
| | | 20 | 220.00 | - | | | | |
| | | 16 | 176.00 | - | | | | |
| | | y = 11.00x | | | | | | |
| | What is | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | 1 | | |