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.

Company A

Total Kilowatt-Hours	Total Cost ($)
1212	157.56
1425	185.25

Company B

y = 0.11x

Find the total cost in dollars of buying 1,194 kilowatt hours of electricity from the cheapest company.

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 box from Company B is represented by an equation, with y representing the total number of pieces for x boxes.

Company A

Total Boxes	Total Pieces
16	400
12	300

Company B

y = 23x

Find the total number of pieces you'd get from buying 18 boxes of candy from the company with the most pieces per box.

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 ($)
20	5.60
19	5.32

Company B

y = 0.22x

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

Answers

1. _____
2. _____
3. _____

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.

Company A

Total Kilowatt-Hours	Total Cost ($)
1212	157.56
1425	185.25

y = 0.13x

Company B

y = 0.11x

Find the total cost in dollars of buying 1,194 kilowatt hours of electricity from the cheapest company.

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 box from Company B is represented by an equation, with y representing the total number of pieces for x boxes.

Company A

Total Boxes	Total Pieces
16	400
12	300

y = 25x

Company B

y = 23x

Find the total number of pieces you'd get from buying 18 boxes of candy from the company with the most pieces per box.

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 ($)
20	5.60
19	5.32

y = 0.28x

Company B

y = 0.22x

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

Answers

1. 131.34
2. 450
3. 0.06