Solve each problem.

1) 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 ($)
18	4.86
12	3.24

Company B

y = 0.21x

Find the total cost in dollars of buying 20 pounds of sugar from the cheapest company.

2) 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

Total Pounds	Total Cost ($)
16	448.00
13	364.00

Company B

y = 30.00x

Find the total cost in dollars of buying 14 pounds of jerky from the more expensive company.

3) 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
11	264
20	480

Company B

y = 29x

What is the difference in the number of pieces per box between Company A and Company B?

Answers

1. _____
2. _____
3. _____

Solve each problem.

1) 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 ($)
18	4.86
12	3.24

y = 0.27x

Company B

y = 0.21x

Find the total cost in dollars of buying 20 pounds of sugar from the cheapest company.

2) 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

Total Pounds	Total Cost ($)
16	448.00
13	364.00

y = 28.00x

Company B

y = 30.00x

Find the total cost in dollars of buying 14 pounds of jerky from the more expensive company.

3) 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
11	264
20	480

y = 24x

Company B

y = 29x

What is the difference in the number of pieces per box between Company A and Company B?

Answers

1. 4.2
2. 420
3. 5