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 ($)
1534	173,342
1428	161,364

Contractor B

y = 123x

Find the total price you'd get from building a 1,351 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 ($)
20	5.40
11	2.97

Company B

y = 0.22x

Find the total cost in dollars of buying 17 pounds of sugar 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
10	280
19	532

Company B

y = 27x

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 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 ($)
1534	173,342
1428	161,364

y = 113x

Contractor B

y = 123x

Find the total price you'd get from building a 1,351 sq/ft house from the cheapest contractor.

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Company A

Total Boxes	Total Pieces
10	280
19	532

y = 28x

Company B

y = 27x

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

Answers

1. 152,663
2. 4.59
3. 1