Buying Oats: Camp Pine Hill

I figure that we are going to be short on oats. Someday that clerk is going to get this right. In the meantime, I want you to recommend our best option for buying more oats. Don’t just look for the cheapest price per bushel, because those delivery costs can add up. Start by looking at suppliers in Bemidji, Duluth, and Minneapolis, and make a recommendation before the end of the day.

—Barn Boss

First, which city do you predict the camp will purchase the oats from? __________________________

**Buying Oats: Bushels Needed** 639

<table>
<thead>
<tr>
<th></th>
<th>Bemidji</th>
<th>Duluth</th>
<th>Minneapolis</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cost per Bushel</strong></td>
<td>25¢</td>
<td>20¢</td>
<td>17¢</td>
</tr>
<tr>
<td><strong>Total Cost to Buy Oats</strong></td>
<td>$159.75</td>
<td>$127.80</td>
<td>$108.63</td>
</tr>
</tbody>
</table>

**Shipping Oats**

<table>
<thead>
<tr>
<th></th>
<th>Bemidji</th>
<th>Duluth</th>
<th>Minneapolis</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Delivery Cost per Mile</strong></td>
<td>20¢</td>
<td>15¢</td>
<td>17¢</td>
</tr>
<tr>
<td><strong>Total Miles</strong></td>
<td>72 miles</td>
<td>83 miles</td>
<td>178 miles</td>
</tr>
<tr>
<td><strong>Total Shipping Cost</strong></td>
<td>$14.40</td>
<td>$12.45</td>
<td>$30.26</td>
</tr>
</tbody>
</table>

Questions:

Total cost to buy and ship oats?

Bemidji: $174.15

Duluth: $140.25

Minneapolis: $138.89

Which city should we order oats from? Minneapolis

Why? __________________________

ANSWER KEY

Bemidji: $174.15

Duluth: $140.25

Minneapolis: $138.89

Barn Boss

ANSWER KEY

$159.75

$127.80

$108.63

$14.40

$12.45

$30.26

Lumberjack Math