Ice storm

By: Jon Brace

Beginning Algebra
EAST/EMPACTS
Mrs. Whitmore
Project Goal

• Help out the community by Cleaning up peoples lawns by removing branches and cutting down fallen trees.
• Charged a fee of $50 for the clean up fee compared to $150 or so from another company to do it.
The community benefited from my help because, I cleaned up the individuals lawns, for a small fee, that had debris and limbs scattered throughout the back and front yard.
Technology

- Cell phone
- Ti-84
- Digital camera
- Microsoft PowerPoint
- Global positioning system (GPS)
Assessing Need

• [link](http://www.nowpublic.com/world/northwest-arkansas-ice-storm-2009)

• News report 600,000 residents in northwest Arkansas were affected

• Clean up estimates:

  • 150.00 per yard

  • $27,000,000.00 = 150.00 \times 600,000$
## Calculated Savings

### Projected cost for clean up:
$$600,000 \times \$150.00 = \$90,000,000$$

### Proposed rate for my clean up:
$$\$45.00 \text{ per yard}$$

### Calculated cost for clean up:
$$600,000 \times \$45.00 = \$27,000,000$$

### Projected savings at my rate:
$$\$90,000,000 - \$27,000,000 = \$63,000,000$$

<table>
<thead>
<tr>
<th>Supplies used</th>
<th>Cost of supplies $</th>
<th>Amount charged</th>
<th>Competitor’s rate</th>
<th>Savings for community</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Gasoline (travel)</td>
<td>50.00</td>
<td>3 clean ups @ 45.00 dollars</td>
<td>150.00 per clean up</td>
<td>450.00 - 135.00 = 315.00</td>
</tr>
<tr>
<td>• Gasoline (chainsaw)</td>
<td>8.00</td>
<td></td>
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<td></td>
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<tr>
<td>• Gasoline (woodchipper)</td>
<td>40.00</td>
<td></td>
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<td></td>
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<tr>
<td>• 2 cycle oil (chainsaw)</td>
<td>4.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>• Total</td>
<td>102.00</td>
<td>135.00</td>
<td></td>
<td></td>
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</tbody>
</table>
Community Contacts

- Dave – 1315 N Rupple Rd, Fayetteville
- Ashley – 1220 S 55th Pl, Rogers
- Ben – 1206 S 55th St, Rogers
Timeline

- Deciding what our project would be
- Developing contacts
- March 10th – 20th, worked on yards
- Gather information to start on the PowerPoint
- Finish PowerPoint
- Present
Skills Developed/improved

- Communication within and outside of class
- Time Management
- Organization
- Developing contacts
- Problem Solving – partner disappeared

How to:
- Determine need
- Determine a rate
- Project a cost
- Calculate savings
Cleaned up the community
Developed new skills/improve
Developed new contacts for future work