

Student Name:



SCHOOL LUNCH

WASTE ASSESSMENT

WORKSHEET & REFLECTION



Now that you've completed your school lunch waste audit, help Globie figure out how well we did! Fill out the table below with the data that you collected during the audit, then answer the math problems below. There are a few questions on the back for you to reflect on your experience.

Weight of Trash Before Sorting: 102.8 lbs.

Total Weight of Material: 291.40 lbs.

Weight of Recycling Before Sorting: 26.64 lbs.

Weight of Compost Before Sorting: 163.40 lbs.

Waste Stream	From Trash (Group 1)	From Recycling (Group 2)	From Compost (Group 3)	Total (After Sorting)
Trash	52.0 lbs.	10.2 lbs.	9.8 lbs.	72 lbs.
Recyclable Material	21.2 lbs.	24.2 lbs.	4.2 lbs.	49.6 lbs.
Compost	19.6 lbs.	3.6 lbs.	146.6 lbs.	169.8 lbs.

<p>1. What percentage of the waste was in the trash before sorting? (Hint: Trash Before Sorting ÷ All Material)</p> $102.8 \text{ lbs.} \div 291.40 \text{ lbs.} = 0.35$ $= 35\%$	<p>2. What percentage of the waste is in the trash after sorting? (Hint: Trash After Sorting ÷ All Material)</p> $72 \text{ lbs.} \div 291.40 \text{ lbs.} = 0.247$ $= 24.7\%$
<p>3. What percentage of the waste was in the recycle bin before sorting? (Hint: Recyclable Before Sorting ÷ All Material)</p> $26.64 \text{ lbs.} \div 291.40 \text{ lbs.} = 0.09$ $= 9\%$	<p>4. What percentage of the waste is recyclable after sorting? (Hint: Recyclable After Sorting ÷ All Material)</p> $49.6 \text{ lbs.} \div 291.40 \text{ lbs.} = 0.17$ $= 17\%$
<p>5. What percentage of the waste was in the compost bin before sorting? (Hint: Compost Before Sorting ÷ All Material)</p> $163.40 \text{ lbs.} \div 291.40 \text{ lbs.} = 0.56$ $= 56\%$	<p>6. What percentage of the waste is compostable after sorting? (Hint: Compost After Sorting ÷ All Material)</p> $169.8 \text{ lbs.} \div 291.40 \text{ lbs.} = 0.58$ $= 58\%$