

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

**Lesson 2: What can we find out about greenhouse gas emissions resulting from waste in our school food system?**

**Initial Model:** In the space below draw an initial model of our school food system and where you think waste may occur. Include as much detail as you can think of.



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## Using Mathematics and Computational Thinking

About how many pounds of food do you think was wasted at school this morning (for breakfast?)

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What data would you need to know to answer this question? How could you get that information?

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- A. Estimated amount of food wasted at breakfast (in pounds) \_\_\_\_\_
- B. Estimated amount of food wasted at breakfast (in kilograms) \_\_\_\_\_
- C. Amount of CO<sub>2</sub> emissions (use greenhouse gas calculator) \_\_\_\_\_
- D. Estimated amount of food wasted at lunch (in pounds) \_\_\_\_\_
- E. Estimated amount of food wasted at lunch (in kilograms) \_\_\_\_\_
- F. Amount of CO<sub>2</sub> emissions (use greenhouse gas calculator) \_\_\_\_\_
- G. Estimated amount of food wasted as snacks throughout the day (in pounds) \_\_\_\_\_
- H. Estimated amount of food wasted as snacks throughout the day (in kilograms) \_\_\_\_\_
- I. Amount of CO<sub>2</sub> emissions (use greenhouse gas calculator) \_\_\_\_\_

Total amount of CO<sub>2</sub> emissions from one day of school (C + F + I =): \_\_\_\_\_

