

Name: _____

1. The time to manufacture a pair of headphones on each assembly line is $\frac{1}{3}$ hour. If there are 24 assembly lines and they operate 8 hours a day, how many pairs of headphones can be manufactured in a day?
2. $\frac{1}{8}$ gram of copper and $\frac{1}{3}$ gram of silicone is used to manufacture 30 headphones. How much silicone is used in each pair of headphones?
3. To make sure the machines in the factory run smoothly, the mechanics need to add $\frac{1}{5}$ liter of oil to the machine every Monday. One Monday, a mechanic can only find 12 liters of oil in the storage. Is there enough oil for 65 machines?