Name _____

Helping AI Learn from Mistakes Answer Key

Scenario A: Homework Helper

A student types: *"What is 9 × 7?"*
The AI replies: *"63,000."*

- **Why might the AI have made this mistake?**
  → It may have confused multiplication with a larger calculation or misread the numbers. It could have been trained on data with formatting errors.

- **What feedback would help it improve?**
  → Correct the AI by showing that *9 × 7 = 63*. Give it more examples of small multiplication problems.

Scenario B: Photo App

A person uploads a picture of a golden retriever.
The AI labels it: *"Lion."*

- **Why might the AI have made this mistake?**
  → The AI confused the dog's golden fur and shape with a lion's mane. It may not have enough examples of golden retrievers in its training data.

- **What feedback would help it improve?**
  → Tell the AI this is a "dog" or specifically a "golden retriever." Provide more labeled dog photos in its training set.

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