Scenario Elimination - Choosing the Best Model Answer Key

Scenario 1: A Small Bakery

- **Best choice:** Small Model running on a laptop

- **Reasoning:** The bakery only needs a simple chatbot, has a limited budget, and does not have access to powerful servers. A small model is affordable, efficient, and can run on a basic laptop.

Scenario 2: International Business

- **Best choice:** Big Model trained on large, multilingual data

- **Reasoning:** Translating across ten languages requires high accuracy and broad training data. Small models lack this ability. A big model is the most reliable for handling complex multilingual translation.

Scenario 3: A Rural School

- **Best choice:** Small Model that runs offline on laptops

- **Reasoning:** The weak internet connection makes big models unusable. A small model can work directly on school laptops without needing servers or internet, making it the best fit.

Scenario 4: A Science Lab

- **Best choice:** Big Model with advanced reasoning

- **Reasoning:** Scientific research requires complex reasoning and detailed technical knowledge. Small models cannot handle this level of depth. Big models are slower and more expensive but necessary for advanced science tasks.