

## Ranking Challenge: Small Models vs. Big Models Answer Key

### Round 1: Everyday Use

- Summarizing a short news article - 2
- Running directly on a smartphone - 1
- Translating documents into five languages - 4
- Generating highly technical scientific explanations - 5
- Providing tutoring help for basic writing skills - 3

### Round 2: Professional Use

- Summarizing a short news article - 2
- Running directly on a smartphone - 5
- Translating documents into five languages - 3
- Generating highly technical scientific explanations - 4
- Providing tutoring help for basic writing skills - 1

### Round 3: Cost and Resources

- Summarizing a short news article - 2
- Running directly on a smartphone - 1
- Translating documents into five languages - 4
- Generating highly technical scientific explanations - 5
- Providing tutoring help for basic writing skills - 3

### Reflection Question - Sample Responses

**Which task stayed in the same place across all three rounds? Why do you think it stayed consistent?**

*Running on a smartphone always ranked closest to small models, and generating scientific explanations always ranked closest to big models. These stayed consistent because each task clearly fits one model type best.*