Name _____

Sorting Facts and Myths about AI Models Answer Key

Claim 1: *Big models are always better in every way.*

- **Decision:** Myth
- **Justification:** Big models are stronger in reasoning and detail, but they are slower, more expensive, and cannot run on small devices. Small models are better in some situations.

Claim 2: *Small models can run directly on laptops and smartphones.*

- **Decision:** Fact
- **Justification:** Small models use less memory and storage, so they can fit on personal devices without powerful servers or internet.

Claim 3: *Both small and big models sometimes give incorrect answers.*

- **Decision:** Fact
- **Justification:** Errors happen with all models. Both can produce answers that sound correct but are actually wrong.

Claim 4: *Only big models can help with writing assignments.*

- **Decision:** Myth
- **Justification:** Small and big models can both help with writing. Big models may provide more detail, but small models can still summarize, suggest, and edit text.

Claim 5: *Big models require more electricity and computing power.*

- **Decision:** Fact
- **Justification:** Their massive size means they need powerful servers and use more energy compared to small models.

Claim 6: *Small models are useless for real-world tasks.*

- **Decision:** Myth
- **Justification:** Small models are useful for chatbots, tutoring, summaries, and other simple, everyday applications.

Claim 7: *Whether a school should use small or big models depends on its budget and internet connection.*

- **Decision:** Depends
- **Justification:** Schools with strong internet and resources might benefit from big models, but schools with weaker internet or limited budgets would do better with small models.

Claim 8: *Big models are always fast and affordable.*

- **Decision:** Myth
- **Justification:** Big models are slower and more expensive to run. They are powerful but not fast or cheap.