

ACHIEVEMENTS UNLOCKED BY LLMS

EMERGENT ABILITIES OF
LARGE LANGUAGE MODELS (APR/2023)

S

GPT-3 13B,
PaLM 8B



Mod. Arithmetic*



Debugging*



Comprehension*

M

GPT-3 175B,
LaMDA 137B,
PaLM 64B,
Chinchilla 7B



Linguistics Puzzles*



Emoji Movie*



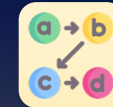
GRE-Comprehension*



Metaphor Understanding*



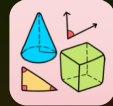
Physical Intuition*



Logical Deduction*

L

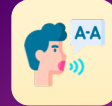
PaLM 540B,
Chinchilla 70B



Geometric Shapes*



Proverbs*



Phonetic Alphabet*



Elementary Math



Causal Judgment*



Code Line Description*

XL

GPT-4,
Gemini (est.)



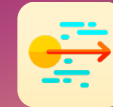
College-Level Exams



Self-Critique/Reflection



App Building



Spatial Reasoning



Advanced Creativity



Embodiment Options

Next...



Grounding



Long-Horizon Planning



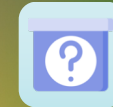
Persuasion



Advanced Embodiment



Awareness



More...

