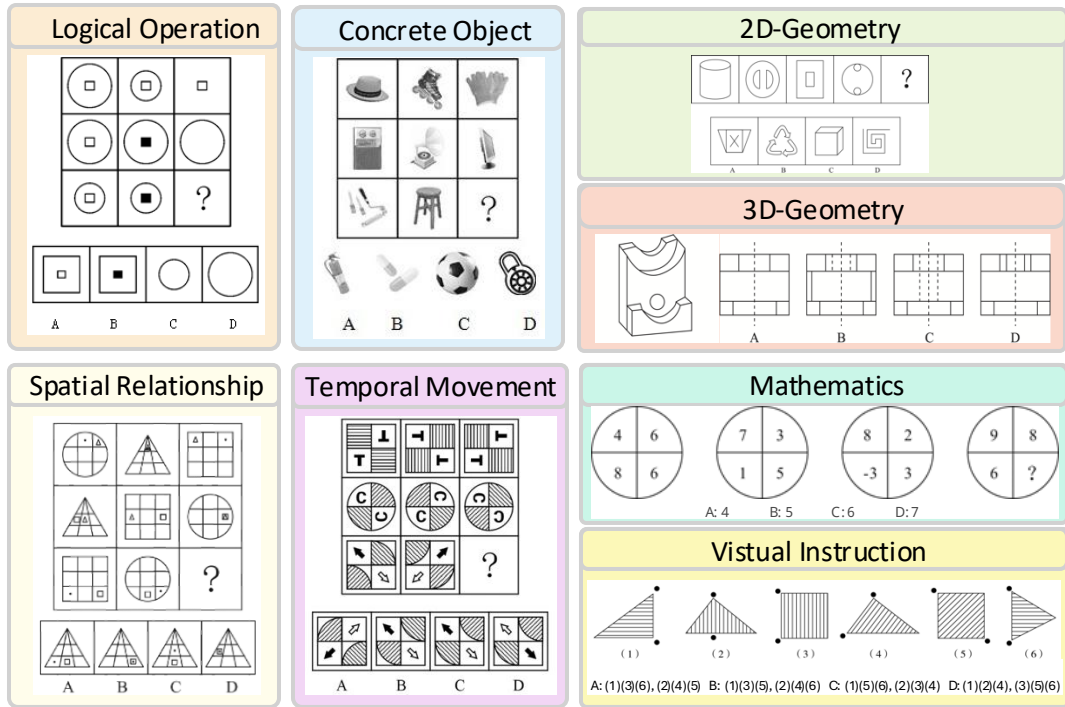(a) Performance of LMMs and human across eight reasoning patterns defined in MM-IQ

(b) Visual examples of eight reasoning paradigms of MM-IQ

Legend:
- Deepseek-vl-7b-chat
- GPT4o-2024-11-20
- Gemini-1.5-pro-002
- Claude-3-5-sonnet
- Qwen2-VL-72B-Instruct
- QVQ-72B-Preview
- LLaVA-1.6-7B
- Gemini-2.5-Pro
- Claude-3-7-Sonnet-Thinking
- o3
- Human