(a) Long Video Benchmark (*e.g.*, Video MME)

When is the zodiacal light visible from the video?

A: On March 19.
B: On March 24.
C: On March 25.
D: On March 29.

Correct ans: **A**

Visual Cue ONLY

(b) Short Audio-Visual Benchmark (*e.g.*, AVQA)

"ahhhh…"

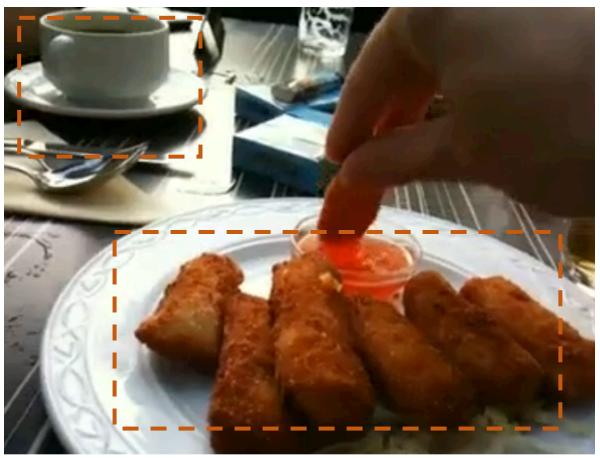
Why the people in the video scream?

A: Roller coaster
B: On a pirate ship
C: Take Ferris wheel
D: Take the jumping machine"

Correct ans: **A**

NO Synergistic Interaction

(c) Long Audio-Visual Benchmark (*i.e.*, our proposed AVBench)



"…Ambient sounds include cheerful male conversations, the gentle clinking of cutlery, and soft background music, reflecting a casual and inviting atmosphere…"

What can be inferred about the setting of the scene based on the background sound and visual elements?

A: The environment is a silent, solitary kitchen where someone is preparing food alone.
B: The setting is a formal dining room with a quiet, subdued atmosphere.
C: The scene is set in a busy street market with vendors calling out to passersby.
D: The scene takes place in a lively, informal dining environment where people are enjoying a meal together.

Correct ans: **D**

Synergistic Audio-Visual Integration for Long Videos