

Sound Intuiting in Intelligence Tests: System 1 Intelligence?

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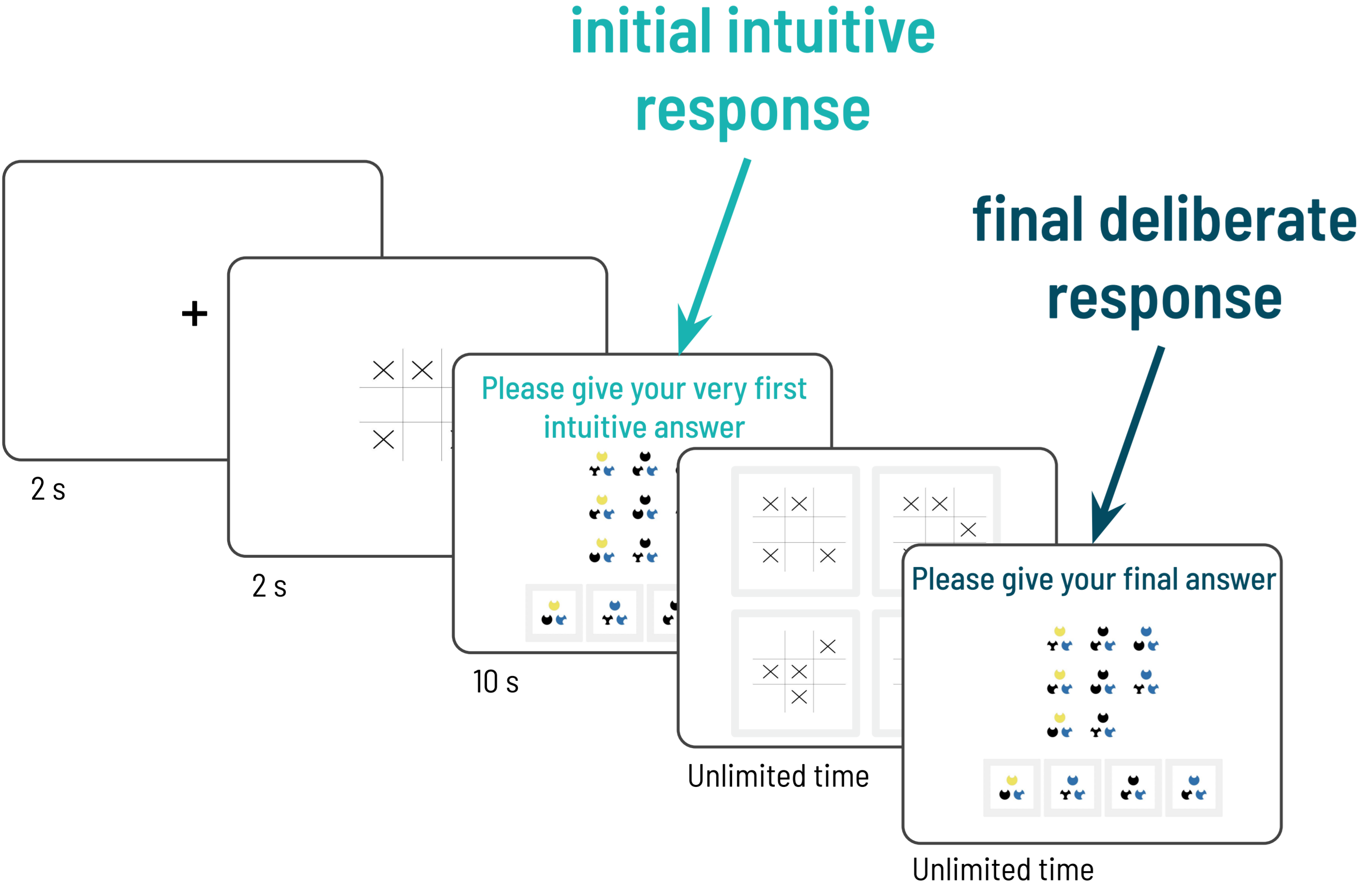
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Traditionally, dual-process theories argue that we need to **deliberate** to reason correctly.
BUT recent studies showed that we can have **logical intuitions** in various high-order tasks [1-5].

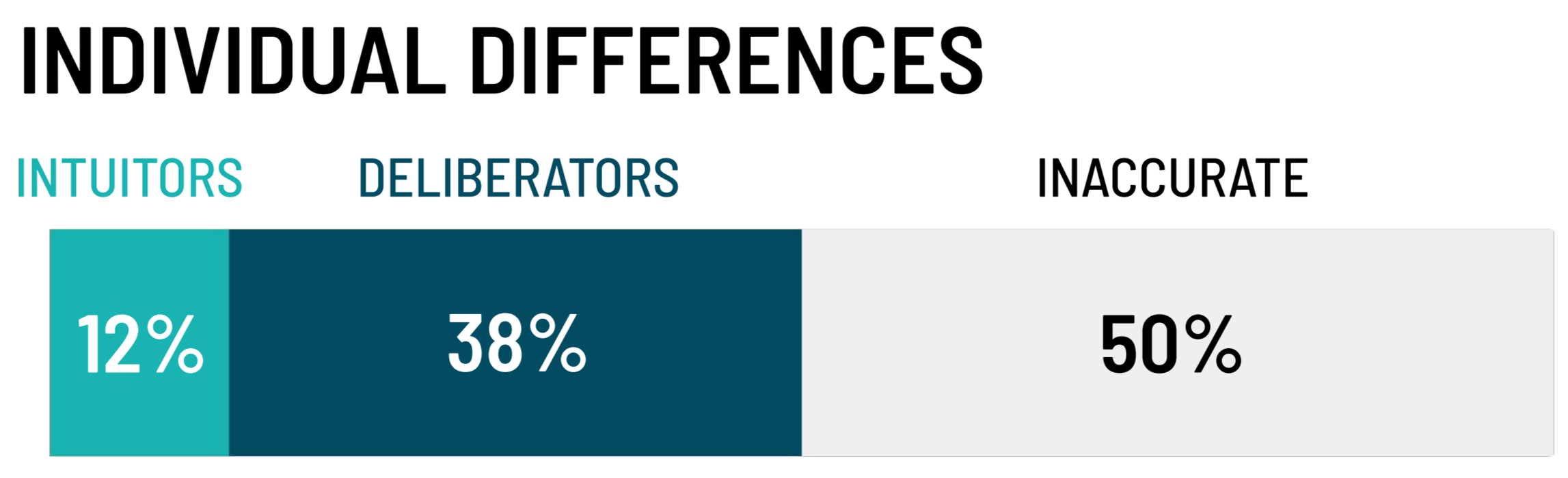
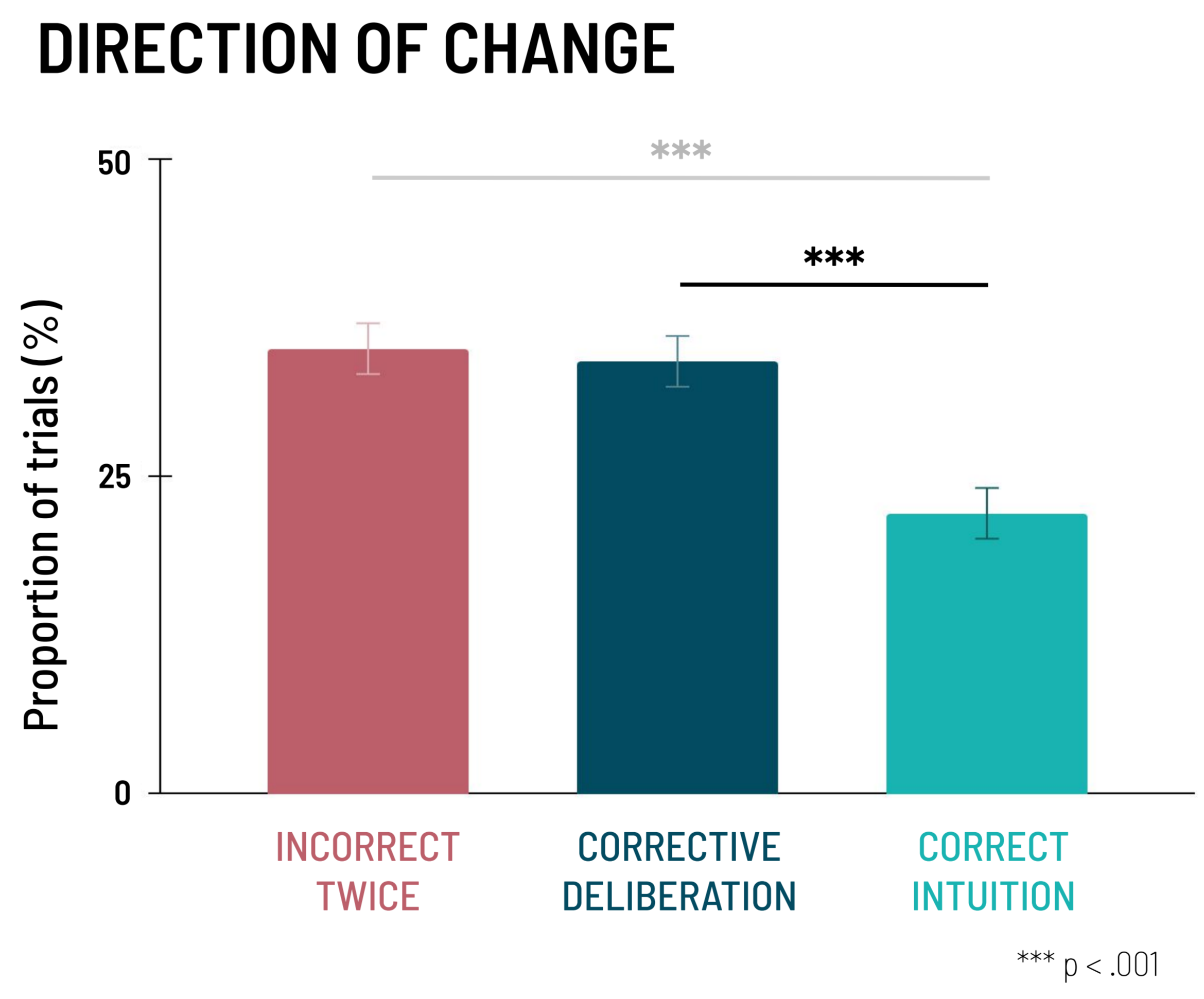
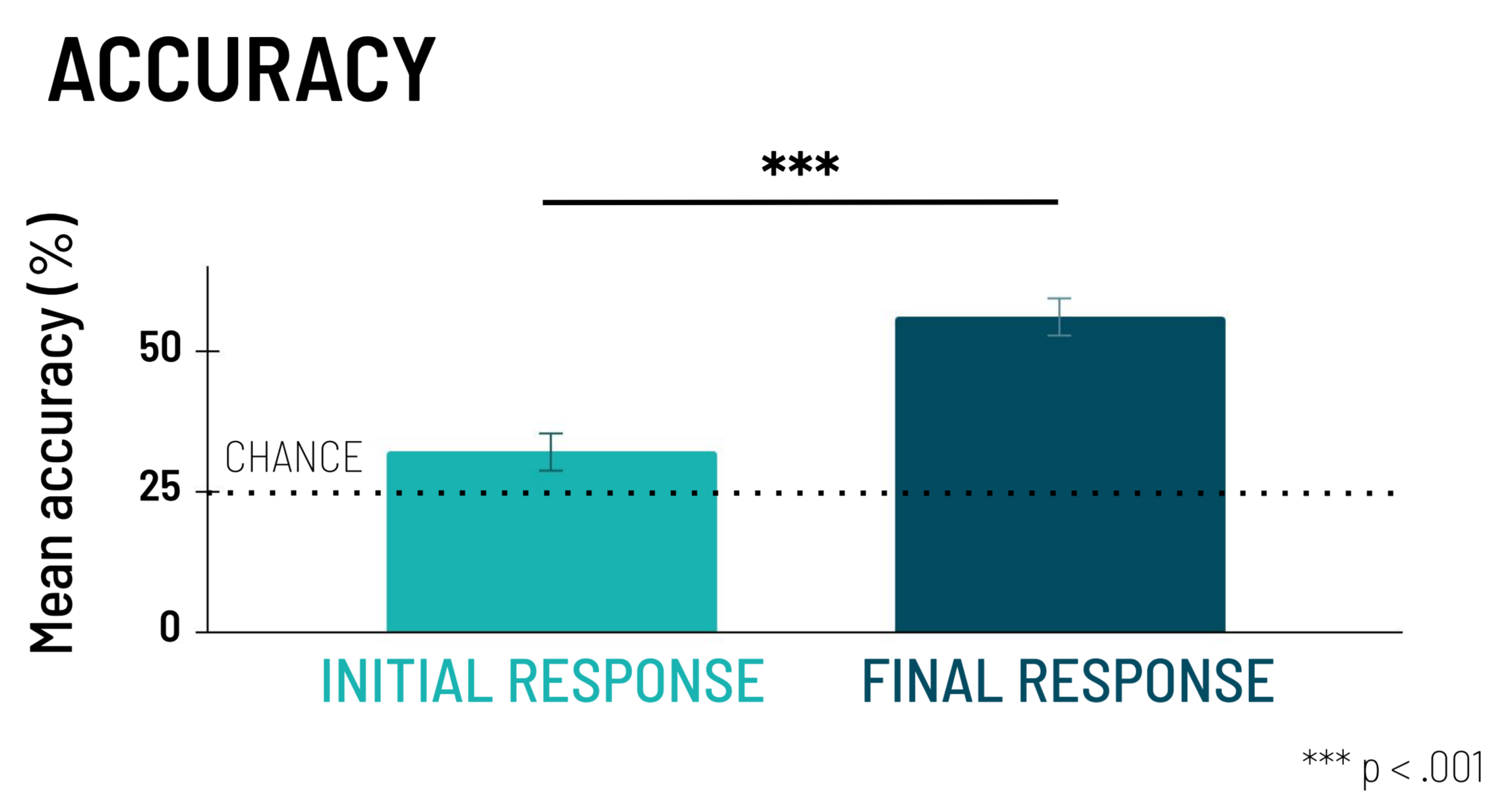
Can we solve intelligence tests intuitively?


METHOD

100 participants
MARS-IB short form: Raven-like matrices [6]
Two-response paradigm [1][2]
Participants give two responses in each trial:



RESULTS



 Even under stricter conditions for the initial response stage, we replicate the results.

TAKE HOME MESSAGE

Sometimes, people can solve intelligence tests **intuitively** but most of the time, they need to **deliberate**.

Some people consistently produce correct responses as soon as the **intuitive** stage, but most people need to **deliberate**.

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