English

1. Which word best describes Aunt Casey’s attitude to life?
   A. reckless
   B. intolerant
   C. thoughtful
   D. responsible

**Question intent:** Infer the main character’s attitude from her behaviour and speech in a narrative text.

In the English tests, students are not asked merely to retrieve information from a passage; they are asked to make inferences, form judgements and reflect on the texts. Questions addressing higher-order thinking skills are used to ascertain whether a student can ‘read between the lines’ and understand subtlety and nuance in the English language.

Mathematics

1. This clock shows the correct time. Issam’s watch shows

   ![Clock Image]

   Issam’s watch is
   A. 8 minutes fast.
   B. 8 minutes slow.
   C. 12 minutes fast.
   D. 12 minutes slow.

**Question intent:** Calculates time difference between digital and analogue clocks and interprets this in context.

For Mathematics questions, students are asked to make sense of mathematical concepts in everyday situations. IBT Mathematics is not about simply remembering rules and procedures; it requires students to use higher-order thinking to apply their mathematical skills to solve problems.
Science

1 Michael is in the full shadow of a total solar eclipse.

Which point shows where Michael is located?
A P
B Q
C R
D S

Question intent: Identifies position on Earth of full shadow during a total solar eclipse.

In the Science tests, students are asked to apply scientific principles to particular problems. IBT Science not only assesses students’ knowledge of science, it assesses whether students are capable of applying this knowledge to the given contexts. Many of the higher-order thinking questions are based on scientific enquiry.

Reasoning

1 Which picture is next in the sequence?

A B C D

Question intent: Identifies the next step in a dual rotating geometric pattern.

Reasoning questions require students to think critically and make logical deductions, as well as identify connections and spot patterns. Students must use their higher-order thinking skills to solve non-routine problems. IBT Reasoning does not require prior knowledge of any particular content area and assesses students on their general capabilities.