```
                          ┌─────────────────┐
                          │ IRT Individual  │
                          │   Test Scoring  │
                          └─────────────────┘
                                  │
                                  ▼
                              ◇ Test ◇              No          ┌──────────────────────────┐
                              ◇Performed?◇ ──────────────────►  │ Below two counters are    │
                                  ◇                              │ incremented by 1          │
                              Manual tests may be skipped        │ 1.) Tests not performed   │
                              by the user but are always         │ 2.) Total required tests  │
                              considered required.               └──────────────────────────┘
                                  │ Yes
                                  ▼
                              ◇Is Test◇         No      ◇ Test ◇         No     ┌──────────────────────────┐
                              ◇Required?◇ ────────────► ◇Passed?◇ ────────────► │ Below two counters are    │
                                  ◇                         ◇                    │ incremented by 1          │
                                                                                 │ 1.) Optional failed tests │
                                  │ Yes                     │ Yes               │ 2.) Total optional tests  │
                                  ▼                         ▼                    └──────────────────────────┘
```

When all the tests are completed for a section the IRT will calculate final percentage it, based on optional test scoring parameter using one of the formulas below:

1.) If Optional test scoring parameter is Yes
$$\text{Math.round}(100 * (\text{Total \# of required passed tests} + \text{Total \# of optional passed tests}) / (\text{Total \# of required tests} + \text{Total \# of optional tests}))$$

2.) If Optional test scoring parameter is No
$$\text{Math.round}(100 * \text{Total \# of required passed tests} / \text{Total \# of required tests})$$

Flowchart boxes:

Below two counters are incremented by 1
1.) Required failed tests
2.) Total required tests

Below two counters are incremented by 1
1.) Optional passed tests
2.) Total optional tests

Below two counters are incremented by 1
1.) Required passed tests
2.) Total required tests

Decision: Test Passed ? — No → Required failed tests box; Yes → Required passed tests box