**Task 33 – Drug Concentrations**

**Information about the task**

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| **Question** | **Level of difficulty** | **National curriculum mathematical context** | **Text type** | **Question types** |
| 33. Drug Concentrations | Trial:  Medium (Q33.1)  Low (Q33.2)  Low (Q33.3) | Patterns and relationships, understand number and notation, calculate in a variety of ways, handling data, analyse and interpret data. | Medium length continuous text containing mathematical data and tabulated data, and line graph to interpret. | Calculation and multiple choice. Interpretation from graphical information given. |

**Skills assessed by the task**

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| **Thinking skills** | **Literacy & communication skills** |
| **Plan**   * Asking questions * Activating prior skills, knowledge and understanding * Gathering information   **Develop**   * Generating and developing ideas * Thinking logically and seeking patterns * Considering evidence, information and ideas   **Reflect**   * Reviewing the process/method * Evaluate own learning and thinking * Linking and lateral thinking | **Reading**   * Locating, selecting and using information using reading strategies * Responding to what has been read   **Writing**   * Organising ideas and information   **Wider communication skills**   * Communicating information |
| **Numeracy Skills** |
| **Using mathematical information**   * Using numbers * Gathering information   **Calculate**   * Using the number system * Using a variety of methods   **Interpret & present findings**   * Comparing data * Recording and interpreting data and presenting findings |

**Scoring**

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| Drug concentrations Scoring 33.1  Full credit: All three table entries correct.    Partial credit: One or two table entries correct.  No credit: Other responses and missing.  To answer the question correctly students have to draw on skills from the connections competency cluster. |
| Drug concentrations Scoring 33.2  Full credit: D. 32mg.  No credit: Other responses and missing.  To answer the question correctly students have to draw on skills from the reproduction competency cluster. |
| Drug concentrations Scoring 33.3  Full credit: C. 40%.  No credit: Other responses and missing.  To answer the question correctly students have to draw on skills from the connections competency cluster. |