**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
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| **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
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**Scoring**

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| Drug concentrations Scoring 33.1Full 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 33.2Full 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 33.3Full 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. |