**Task 4 – Cubes**

**Information about the task**

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| **Question** | **Level of difficulty** | **National curriculum mathematical context** | **Text type** | **Question types** |
| 4. Cubes | Medium (Q4.1) | Patterns and relationships, understand number and notation. | Short continuous text information with picture to interpret. | Calculation required (mental or written as preferred). |

**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 * Determining the process/method and strategy * Determining success criteria   **Develop**   * Generating and developing ideas * Thinking logically and seeking patterns * Considering evidence, information and ideas   **Reflect**   * Reviewing outcomes and success criteria * 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 * Writing accurately   **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**   * Talking about and explaining work |

**Scoring**

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| CUBES Scoring 4.1  Full credit: Top row (1 5 4) Bottom Row (2 6 5). Equivalent answer shown as dice faces is also  acceptable.    No credit: Other responses and missing.  Answering this question correctly corresponds to a difficulty of 516 score points on the PISA mathematics scale. Across OECD countries, 58% of students answered correctly. To answer the question correctly students have to draw on skills from the reproduction competency cluster. |