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| **Match-Up** | **Volume of Cubes and Cuboids** |

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| **1** | Find the volume of the cube. | **5** | The volume is Find . | **9** | A cuboid with dimensions by by is filled by identical cubes. What is the length of the side of a cube? |
| **2** | Find the volume. | **6** | The volume is Find . | **10** | The volume of a cube is twice the volume of a cuboid with dimensions by by . Find the side length of the cube. |
| **3** | Find the volume. | **7** | Find the side length of a cube with volume . | **11** | A cuboid has side lengths in the ratio  . If the shortest side length is , find the volume of the cuboid. |
| **4** | Find the volume. | **8** | Find the volume of a cuboid whose side lengths in are the first, third and fifth prime numbers. | **12** | A cuboid has sides of length , and . Its volume is . Find the value of . |

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| **A** |  | **D** |  | **G** |  | **J** |  |
| **B** |  | **E** |  | **H** |  | **K** |  |
| **C** |  | **F** |  | **I** |  | **L** |  |

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| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** |
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