**Volume of Prisms**

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| 1. What is the volume of a cube whose side lengths are 13 meters long? | 2. The length of a rectangular prism is 11 m, the width is 8 m. Find the height if the volume is 1408 m3. |
| 3. The volume of a triangular prism is 2,380 cubic meters. If the height of the prism is 14 meters and the base of its triangular base edge is 17 meters, find the height of the triangle. | 4. A rectangular prism pool has dimensions of 25 feet by 15 feet and is 4 feet deep. If water costs $0.03 per cubic feet, how much will it cost to fill the pool? |
| 5. Ben wants to buy enough potting soil to fill a window box that is 42 inches long, 8 inches wide and 6 inches high. If one bag of potting soil contains 576 cubic inches, how many bags should he buy? | 6. A potter crafts a triangular prism out of clay. The height of the clay prism is 9 in. Each triangle has a base of 12 in and a height of 4 in. What is the volume of the clay piece? |