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A comparison between Chinese and Korean textbook methods to compare the volume of pyramids.

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Summary: We investigate a methodology to calculate the volume of a pyramid and a frustum of a pyramid that is found in Gu Jang Sel Hae and San Hak Jeong Ui (The first volume) text. Comparing and analyzing the content in Korean and Chinese mathematics education textbooks that uses as a foundation the aforementioned methodology, it is proposed that in the future development of the mathematics education curriculum the area of solid geometry should be taught in greater depth in basic study guides.

Classification: A30 G30 U20 D30

Keywords: textbook analysis; pyramids; volume; historical textbooks; curriculum development