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11	1a	Evaluate $\sqrt[3]{\frac{651}{4\pi}}$ correct to four significant figures.	2
$\begin{aligned}\sqrt[3]{\frac{651}{4\pi}} &= \sqrt[3]{(651 \div (4 \times \pi))} \\ &= 3.72783809 \dots \\ &= 3.728 \quad (\text{to 4 sig. figs.})\end{aligned}$			State Mean: 1.70/2

* These solutions have been provided by [projectmaths](#) and are not supplied or endorsed by the Board of Studies

Board of Studies: Notes from the Marking Centre

Many candidates wrote down the correct answer without showing any working. Better responses showed the full calculator display followed by the correct rounding to 4 significant figures. By showing this working, candidates still show that they can round to 4 significant figures even if they made an error in their calculator work.

The most common errors included, calculating $\sqrt[3]{\frac{651}{4}} \times \pi$, rounding to 3 significant figures and rounding to 4 decimal places.

Source: http://www.boardofstudies.nsw.edu.au/hsc_exams/