

SURDS

Category: Number (Surds/Estimation)

Year Level: Any

ADD: surds.cat (setup.cat, scores.cat) ([CasioEd Website](#))

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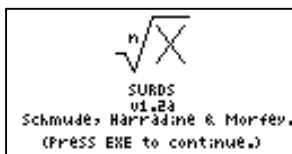


Prince
Alfred
FOUNDED 1850
COLLEGE



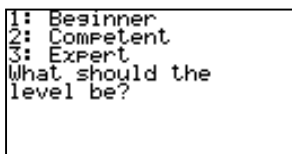
Noel Baker Centre
for School Mathematics

Description:



This ADD is presented in a game format that can cater up to 5 players. The calculator produces 5 randomly generated questions. Each question presents surd which the user is asked to enter an approximate decimal equivalent. There are also three difficulty levels on offer. At the conclusion of the questions, a summary page is presented.

Instructions:



The breakdown of the levels is as follows:

- Beginner – numbers generated are perfect squares up to 400 and only square roots.
- Competent – 2 or 3-digit number up to 400 and only square roots.
- Expert – 2 or 3-digit number up to 1000. Approximately half the time will be a cube root and the other half is a square root.

In the Beginner level, the range of numbers to choose from is relatively small, so it is not unusual to have a repeat of a proportion within the same game.