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<b>11</b>	<b>1g</b>	A batch of 800 items is examined. The probability that an item from this batch is defective is 0.02. How many items from this batch are defective?	<b>1</b>
Defective = $0.02 \times 800$ = 16 $\therefore$ there are 16 items defective.			State Mean: <b>0.92/1</b>

\* These solutions have been provided by [projectmaths](http://projectmaths.com.au) and are not supplied or endorsed by the Board of Studies

**Board of Studies: Notes from the Marking Centre**

Nearly all candidates answered this part successfully. The only common mistake was to calculate  $800 \div 0.02$ .

**Source:** [http://www.boardofstudies.nsw.edu.au/hsc\\_exams/](http://www.boardofstudies.nsw.edu.au/hsc_exams/)