13	11 e	Find $\lim_{x \to 0} \frac{\sin \frac{x}{2}}{3x}$.	1
			ate Mean: 0.66/1

* 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		
$\sin \frac{x}{2}$		
While candidates could observe that $\lim_{x\to 0} \frac{2}{3x}$ involved two constants, 2 and 3, like		
part (b), various permutations of 2 and 3 were seen in the numerator and denominator,		
only some of them arriving at the correct answer $\frac{1}{6}$.		
Source: http://www.boardofstudies.nsw.edu.au/hsc_exams/		