2015   12   Find the solutions of $2 \sin \theta = 1$ for $0 \le \theta \le 2\pi$.   **2**
    a

$2 \sin \theta = 1$

$\sin \theta = \dfrac{1}{2}$

$\theta = \dfrac{\pi}{6}$ or $\dfrac{5\pi}{6}$.

State Mean:
1.63

* These solutions have been provided by *projectmaths* and are not supplied or endorsed by BOSTES.

Board of Studies: Notes from the Marking Centre

(a) This part was generally answered well by most candidates.

Common problems were:
- giving the answer in degrees rather than radians
- only finding the acute angle
- finding angles from all four quadrants.