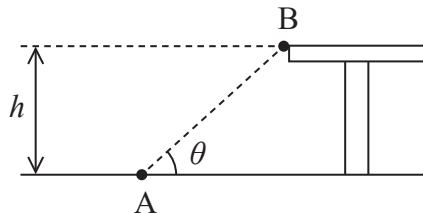**4** An object of mass *m* is moved from point A on the ground, to point B on a bench of height *h* as shown in the diagram.



Which of the following is a correct expression for the work done on the object?

⊠ **A** $\dfrac{mgh}{\sin\theta}$

⊠ **B** $\dfrac{mgh}{\cos\theta}$

⊠ **C** $mgh$

⊠ **D** $mgh\sin\theta$

**(Total for Question 4 = 1 mark)**