**DISTANCE AND DISPLACEMENT**

Answer the following:

*1. An object has moved through a distance. Can it have zero displacement? If yes, support*

*your answer with an example.*

*2. A farmer moves along the boundary of a square field of side 10* m *in 40* s*. What will be the magnitude of displacement of the farmer at the end of 2 minutes 20 seconds?*

*3. Which of the following is true for displacement?*

*(a) It cannot be zero.*

*(b) Its magnitude is greater than the distance travelled by the object.*

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