

Question

- **Displacement is a vector quantity**
- **Displacement is a vector & it has direction as well**
- **Displacement is represented by a boldface letter**
- **Displacement after a round trip is zero (displacement is zero)**

Key words

Scalar is only one dimension, independent of being into or the other side. It is only the magnitude or the quantity and not the direction. It is a non-directional physical quantity and quantity for it is denoted by a regular font.

A vector is a scalar quantity that has both a size & direction. It is denoted with a boldface letter. It is denoted by a boldface letter.

Requirements for a scalar quantity

- **The quantity to be scalar has to be a scalar (not a vector)**
- **The quantity is independent of direction. It is a scalar quantity. It is a scalar quantity.**
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- **Physical quantities that are scalar quantities are mass, length, time, etc.**
- **The scalar quantity is not a vector. It is a scalar quantity. It is a scalar quantity.**

A vector is a quantity that has both a size & direction. It is denoted with a boldface letter. It is denoted with a boldface letter.

Requirements

- **The quantity to be scalar has to be a scalar (not a vector)**
- **The quantity is independent of direction. It is a scalar quantity. It is a scalar quantity.**
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Scalar quantities are those quantities that do not have a direction. They are denoted with a regular font. They are denoted with a regular font.