

Health Science Pathway

Scientific Notation

Big Idea 1 Practice Task 1

For each of the following indicate

- (i) the physical quantity (may also be called a variable)
- (ii) the value of the variable and
- (iii) the unit in which the variable was measured.

A force of 8N acting in a downward direction

A velocity of 4 m.s^{-1} in the direction North

Answer:

- (i) The physical quantity is force (ii) The value of the physical quantity is 8 (iii) The unit in which the force was measured is newtons.
- (i) The physical quantity (also called variable) is velocity (ii) The value (or size/magnitude) of the physical quantity is 4 (iii) The units in which the velocity was measured is m.s^{-1}