

8C SI Units

Quantity	Unit	Symbol
Mass	Kilogram	kg
Length / displacement	<u>Metre</u>	m
Time	Seconds	t

Quantity	Unit	Symbol
Speed / velocity	<u>Metres per second</u>	ms^{-1}
Acceleration	<u>Metres per second per second</u>	ms^{-2}
Weight / force	Newton	$\text{N} (= \text{kg ms}^{-2})$

The Normal Reaction

Frictional Force

Tension

Thrust

Resistance

Gravity

Weight

Buoyancy

1. Write the following quantities in SI units:

a) 4km

b) 0.32g

c) $5.1 \times 10^6 \text{ kmh}^{-1}$

2. The plane below is mid-flight. State the names of the labelled forces acting on it.

