


# GCSE Revision Buddy

## Gravitational Field Strength Worksheet

$$\begin{array}{c} W \\ \text{weight} \\ \text{(N)} \end{array} = \begin{array}{c} m \\ \text{mass} \\ \text{(kg)} \end{array} \begin{array}{c} g \\ \text{gravitational} \\ \text{field strength} \\ \text{(N/kg)} \end{array}$$


1. Janet has a mass of 60 kg. Calculate Janet's weight on Earth, if the gravitational field strength is 10 N/kg?
2. On the Moon Janet, of mass 60 kg, would have a weight of 100 N. Calculate the gravitational field strength on the Moon.
3. Ben weighs 730 N. Calculate his mass, if the gravitational field strength is 10 N/kg?