

Moments

Fill in the following using the following words: **Moment, middle, force, clockwise, Principle, gravity, turning, pivot.**

Horizontal

2. For a force to turn an object, it must be able to turn about a _____.
4. _____ = Force x Perpendicular distance from the pivot
5. For an object to balance: total _____ moments = total anticlockwise moments

Vertical

1. A _____ can turn objects.
3. The _____ effect of a force is called its moment.
6. The _____ of Moments states that if object balances, the total clockwise moments is equal to the total anticlockwise moments acting around its pivot.
7. The weight of an object acts at a single point is called the centre of _____.
8. The centre of gravity of a ruler acts at its _____ point.

