

A rough estimate or calculated guess	Reach conclusion without knowing all details - ignoring possible irrelevancies (e.g. Friction in motion)	The radius of the earth's mean orbit around the Sun	Use formulae, insert numerical values from a question, to solve a problem
Approximation	Assumption	Astronomical unit	Calculation
To be in the same place at the same time	Problems which involve two or more steps	Physics Ideas	Kept the same
Coincides	Complex problems	Concepts	Conserved
A question with a setting/with relevance to the question	Prove something using first principles	A statement that represents something in words	A picture/image that provides information for the question
Context	Derive	Description	Diagram
When two variables increase or decrease together in the same ratio (at the same rate)	Fully explain including comparing and contrasting of physics idea	Consequence caused by external factors to particular variables	The capacity of a body to do work is called its energy

Direct proportion	Discuss	Effect	Energy
An educated guess (which may not involve a calculation)	Written sentence(s) to show the meaning of something	Physics equations with variables used to determine mathematical values	A proposed explanation of a phenomenon that is compatible with the data
Estimate	Explain	Formulae	Hypothesis
The relationship in which the value of one variable increases while second variable decreases at the same rate	Metric unit used to measure work and energy	Give written reasons for something	The fundamental unit of mass in the metric system of measurement
Inverse proportion	Joule	Justify	Kilogram
Diagram with words/symbols to identify the parts of the diagram	The distance that light travels through empty space in one year, approximately 9.5×10^{11} km	A metric system unit of volume, usually used for liquids	The size of a measurement
Labelled	Light-year	Liter	Magnitude

The fundamental metric unit of length	A representation of something that cannot be observed directly that is usually used as an aid to understanding	A constant without units; a number	The only point on a graph where both the x and y variables have a value of zero at the same time
Meter	Model	Numerical constant	Origin
At right angles	Something that happens but can't always be explained	Something that can be physically measured e.g. Mass, time	Fundamental Physics ideas
Perpendicular	Phenomena	Physical quantity	Principles
Steps leading to a particular result	Attributes	A constant applied to a proportionality statement that transforms the statement into an equation	Give information or calculations to explain the problem
Process	Properties	Proportionality constant	Provide
Descriptive (not numerical)	Numerical	Unpredictably	How two (or more) variables are connected / related

Qualitative	Quantitative	Randomly	Relationship
Something that is important to the situation	A physical quantity, which is described completely by its magnitude	A relationship between quantities, usually described by an equation in the physical sciences	A relationship between quantities concerned with a specific, or narrow range of observations and behavior
Relevant	Scalar Quantity	Scientific law	Scientific principle
The standard unit of time in both the metric and English systems of measurement	Give evidence for	How many numbers you use to write an answer (based on information given)	How big something is (Magnitude)
Second	Show	Significant figures	Size
Draw roughly	A short response	A problem that only requires one step to solve	Knowing (and being able to explain) how something works
Sketch	State	Straightforward problems	Understanding

What a quantity is measured in e.g. ms^{-1}	A back and forth motion that repeats itself	Metric unit for power; equivalent to joule/sec	Mathematical steps showing use of a formula to reach a final answer
Units	Vibration	Watt	Workings