|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Formulas question unit** | **Type** | **Examples** | | |
| **Name of unit** | **SI symbol** | **Formulas question input** |
| Single (i.e. individual) unit | SI base unit | meter | m | m |
| kilogram | kg | kg |
| second | s | s |
| Coherent derived SI units with special names and symbols | hertz | Hz | Hz |
| newton | N | N |
| pascal | Pa | Pa |
| Non-SI units accepted for use with the SI | minute | min | min |
| hour | h | h |
| day | d | d |
| Non-SI units whose values in SI units must be obtained experimentally | electronvolt | eV | eV |
| dalton | Da | Da |
| unified atomic mass unit | u | u |
| Other non-SI units | bar | bar | bar |
| millimetre of mercury | mmHg | mmHg |
| ångström | Å | Å (Ascii 143) |
| Non-SI units associated with the CGS and the CGS-Gaussian system of units | erg | erg | erg |
| dyne | dyn | dyn |
| poise | P | P |
| Other non-SI units not recommended for use | barrel of oil | bbl | bbl |
| inch | inch | in |
| foot | ft | ft |
| Combined unit (any combination of single units) | All types | square meter | m2 | m^2 |
| meter per second | m/s | m/s |
| meter per second squared | m/s2 | m/s^2 |
| hertz expressed in terms of SI base units | s-1 | s^(-1) |
| newton expressed in terms of SI base units | m kg s-2 | m kg s^(-2) |
| pascal expressed in terms of SI base units | m-1 kg s-2 | m^(-1) kg s^(-2) |
| pascal second | Pa s | Pa s |
| radian per second squared | rad/s2 | rad/s^2 |
| watt per square metre steradian | W/(m2 sr) | W/(m^2 sr) |
| poise expressed in terms of CGS units | dyn s cm-2 | dyn s cm^(-2) |
| foot pound | ft lb | ft lb |
| pound per inch squared | lb/in2 | lb/in^2 |
| Btu per hour | Btu/h | Btu/h |

**SI prefixes:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Factor** | **Name** | **SI symbol** | **Formulas question input** |
| 10-24 | yocto | y | y |
| 10-21 | zepto | z | z |
| 10-18 | atto | a | a |
| 10-15 | femto | f | f |
| 10-12 | pico | p | p |
| 10-9 | nano | n | n |
| 10-6 | micro | μ | u |
| 10-3 | milli | m | m |
| 10-2 | centi | c | c |
| 10-1 | deci | d | d |
| 101 | deca | da | da |
| 102 | hecto | h | h |
| 103 | kilo | k | k |
| 106 | mega | M | M |
| 109 | giga | G | G |
| 1012 | tera | T | T |
| 1015 | peta | P | P |
| 1018 | exa | E | E |
| 1021 | zetta | Z | Z |
| 1024 | yotta | Y | Y |