

# equation

[i'kweɪʒ(ə)n] *п. книжн.*

1. выравнивание, уравнивание; уравновешивание  
 error equation - *слец.* уравнивание ошибок; уравнивание погрешностей  
 side equation - *геод.* уравнивание сторон  
 equation of condition - *физ.* уравнение состояния
2. уравновешенность, правильное соотношение; согласованность  
 equation of demand and supply - *эк.* равенство спроса и предложения  
 equation of payments - *ком.* установление средних сроков платежа
3. приравнивание  
 personal equation - *психол.* поправка на личные особенности, на характер
4. *мат.* уравнение  
 simple equation - уравнение первой степени  
 second-degree /quadratic/ equation - уравнение второй степени, квадратное уравнение  
 to solve an equation - решить уравнение
5. *хим.* уравнение, формула реакции
6. *слец.* уравнение  
 equation of time - *астр.* уравнение времени (*разность между средним и истинным солнечным временем*)

# equation Oxford Advanced Learners Dictionary 8th Ed.

**equa-tion** **AW** [equation equations] *BrE* [i'kweɪʒn] <sup>ɪ</sup> *NAmE* [i'kweɪʒn] <sup>ɪ</sup> **noun**

1. **countable** (**mathematics**) a statement showing that two amounts or values are equal, for example  $2x + y = 54$
2. **uncountable, singular** the act of making sth equal or considering sth as equal (= of **equating** them)
  - The equation of wealth with happiness can be dangerous.
3. **countable, usually singular** a problem or situation in which several things must be considered and dealt with
  - When children **enter the equation** , further tensions may arise within a marriage.

Word Origin:

late Middle English: from Latin *aequatio(n-)*, from *aequare* 'make equal', from *aequus* 'even, level, equal'.

Example Bank:

- Money also comes into the equation.
- The availability of public transport is also part of the equation.
- The ideal gas equation is derived from this model.
- This can be shown by a simple equation.
- the equation for a straight line
- the numbers on the right-hand side of the equation
- the range of values of  $\xi$  which would satisfy this equation

# equation Longman DOCE 5th Ed. (En-En)

**equation** **AC** /i'kweɪʒən/ *BrE* <sup>ɪ</sup> *AmE* <sup>ɪ</sup> **noun**

1. **[countable]** a statement in mathematics that shows that two amounts or totals are equal ⇒ **algebra** :  
 In the equation  $2x + 1 = 7$ , what is  $x$ ?
2. **[countable usually singular]** the set of different facts, ideas, or people that all affect a situation and must be considered together:  
 The tourist industry forms a crucial part of the region's economic equation.  
 The question of cost has now entered the equation.
3. **[singular]** when you consider that two things are similar or connected:  
 the equation of violence with power  
 . . .

**COLLOCATIONS (for Meaning 1)**

- **verbs**
  - **solve an equation** For homework, solve the equations on page 56.
  - **work out an equation** I spent over an hour trying to work out the equation.
- **adjectives**
  - **a mathematical equation** a set of mathematical equations
  - **a quadratic equation** (=one that involves an unknown quantity that is multiplied by itself)
- **phrases**
  - **a side of an equation** (=the letters and numbers on one side of an equals sign) Find the square root of both sides of the equation.
  - **the left-hand/right-hand side of an equation** Add up what you've got on the right-hand side of the equation.  
 . . .

**COLLOCATIONS (for Meaning 2)**

- **adjectives**
  - **a complex equation** New factors are beginning to affect what is an already complex equation.
- **verbs**
  - **something enters/comes into the equation** (=something begins to have an effect) Consumer confidence also enters the equation.
  - **bring something into the equation** (=introduce a new idea for people to consider ) It all becomes more complicated once you bring money into the equation.

## phrases

- **a part of the equation** The tourist industry is a crucial part of the country's overall economic equation.
- **a side of an equation** We need to discuss the financial side of the equation.

## equation

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