

Topic Page: [Parallelograms](#)

Definition: **parallelogram** from *The Penguin Dictionary of Science*

A ► quadrilateral with two pairs of parallel sides.

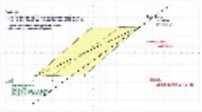


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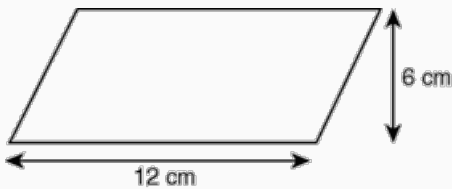
[Generalization 2 of the initial problem in Handbook of Research on Computational Arts and Creative Informatics](#)

Summary Article: **parallelogram**

From *The Hutchinson Unabridged Encyclopedia with Atlas and Weather Guide*

A quadrilateral (a shape with four sides) with opposite pairs of sides equal in length and parallel, and opposite angles equal. The diagonals of a parallelogram bisect each other. Its area is the product of the length (l) of one side and the perpendicular distance (height h) between this and the opposite side; the formula is $A = l \times h$. In the special case when all four sides are equal in length, the parallelogram is known as a rhombus, and when the internal angles are right angles, it is a rectangle or square.

For example, to find the area of a parallelogram 12 cm long and 6 cm high:



$A = l \times h$, so

$$A = 12 \times 6 = 72 \text{ cm}^2$$

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parallelogram

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parallelogram. (2018). In Helicon (Ed.), *The Hutchinson unabridged encyclopedia with atlas and weather guide*. Abington, UK: Helicon. Retrieved from <https://search.credoreference.com/content/topic/parallelograms>



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