

# are the diagonals of a rhombus equal

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## Diagonal - Wikipedia

In geometry, a diagonal is a line segment joining two vertices of a polygon or polyhedron, when those vertices are not on the same edge. Informally, any sloping line is called diagonal.

## What is a Diagonal - Meaning, Examples | Diagonal Line - Cuemath

Since they are three-dimensional figures, they have body diagonals (space diagonals) and face diagonals. The number of diagonals and their properties vary for different solids, based on the number of edges.

## What Is Diagonal in Math? Definition, Solved Examples, Facts

A diagonal is a line segment connecting the opposite vertices or the non-adjacent vertices of a polygon. Learn about the diagonals of polygons, examples, & more.

## Diagonals of Polygons - Math is Fun

A polygon's diagonals are line segments from one corner to another (but not the edges). The number of diagonals of an  $n$ -sided polygon is:

## Diagonals of a Polygon - Formula, Examples - Math Monks

This equation is obtained by adding the number of diagonals that each vertex sends to another vertex and then subtracting the total number of sides from it. For example, in a pentagon the total number of sides is five.

## Diagonal - Math.net

For a polyhedron, a diagonal is a line segment joining two vertices that are in different faces. The end points of the diagonal share no common edges or faces. These diagonals are sometimes referred to as space diagonals. The only polyhedron that contains no space diagonals is the tetrahedron.

## Diagonals - GeeksforGeeks

Diagonals in math are defined only for lateral shapes, or the shapes that have corners, such as Squares, Rectangles, Pentagons, etc. but they are not defined for curved shapes such as Circles, and others. A diagonal can also be defined for 3-D shapes such as Cubes, Cuboids, etc.

## **Diagonals - Interactive Mathematics**

To find the diagonals of a shape, you need to draw a line from one corner to another corner that is not next to it. You can then identify the diagonals by counting the number of line segments that you have drawn.

## **Diagonals of Polygons - Andymath.com**

We learn about diagonals of polygons in math classes because they are an important concept in geometry. Understanding diagonals can help us better understand the properties and characteristics of different types of polygons, such as triangles, quadrilaterals, and pentagons.

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The shape of the diagonals is always a straight line. In other words, a diagonal is a straight line that connects the opposite corners of a polygon or a polyhedron, through its vertex.