

Parallelograms:

A. Definitions

A parallelogram is a 4-sided figure in which opposites sides are parallel to each other.

B. Basic Memorizations

$$\text{Area} = d_1 \cdot d_2 / 2$$

C. Examples

Ex [1] Find the area of a parallelogram with diagonals of 6" and 8".
_____ in².

a. The answer is $6 \cdot 8 / 2 = 3 \times 8 = 24$.

Ex [2] Find the area of a parallelogram with diagonals of 5ft and 9ft.
_____ ft².

a. The answer is $5 \cdot 9 / 2 = 45 / 2$.