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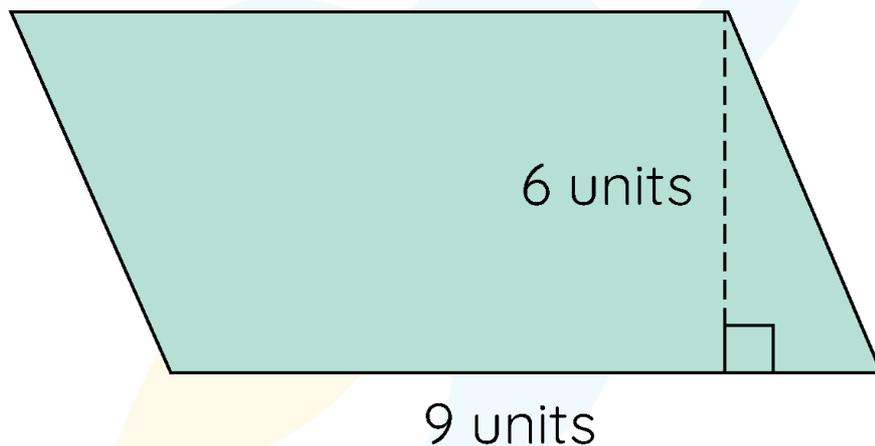
Area of Parallelograms Worksheet

Questions

Q.1 What formula can be used to find the area of a parallelogram?

- a) Side \times base
- b) base \times height
- c) $\frac{(\text{side} \times \text{base})}{2}$
- d) $\frac{(\text{side} \times \text{base} \times \text{height})}{2}$

Q.2 Find the area of a given parallelogram.



Q.3 The height of the rhombus is 15 units and the perimeter of a is 60 units. The area of a rhombus is.

- a. 420 sq. units
- b. 225 sq. units
- c. 500 sq. units
- d. 580 sq. units

Q.4 Determine the area of a parallelogram of given dimensions: base = 12 in, height = 15 in.

Q.5 Find the area of a parallelogram whose lengths of two adjacent sides are 6m and 7m, and the smaller height is 5 m.

Q.6 A kite is in the shape of a rhombus that has diagonals 6 inches and 8 inches. Find its area.

Q.7 Find the area of a parallelogram whose dimensions are as $b = 18$ units, $h = 20$ units.

Q.8 Two sides of a parallelogram are 7 inch and 4 inch respectively. The angle between them is 30 degrees. Find its area.

- a) 12 sq inch
- b) 14 sq inch
- c) 16 sq inch
- d) 18 sq inch

Q.9 Area of a rectangular plate is 144 sq inches. One of its diagonals is 12 inches. Find the other.



Q.10 If the distance between the shorter sides of a parallelogram is 16 m, the sides of a parallelogram are 24 m and 18 m. Find the distance between its longer side.

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- Barbara Cabrera

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ANSWERS

(1)	Base x height
(2)	54 sq units
(3)	225 sq units
(4)	180 sq in
(5)	35 sq. units
(6)	24 sq
(7)	360 sq ft
(8)	14 sq
(9)	12
(10)	21.3m