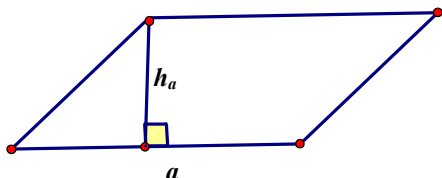


Parallelogram Problems –

base, length, height, perimeter and area

To find the area of a parallelogram, we multiply the base by the height. The height of a parallelogram is always perpendicular to the base.

$$\text{Area} = ah_a$$



Problems to solve.

Check yourself

- 1) What is the area of a parallelogram with a base of 6 cm and a height of 8 cm?
- 2) What is the area of a parallelogram with base 12 m, side length 31 m, and height 26 m?
- 3) What is the height of a parallelogram that has a base of 12 ft and an area of 132 square ft?
- 4) If the area of a parallelogram is 380 square mm and the height is 38 mm, what is the length of the base?
- 5) If the height of a parallelogram is 36.4 cm and the base is 17.6 cm, what is the area of the parallelogram?
- 6) What is the perimeter of a parallelogram with side length 26 mm, height 24 mm, and base 25 mm?

Answers:

- 1) 48 square cm
 - 2) 312 square m
 - 3) 11 ft
 - 4) 10 mm
 - 5) 640.64 square cm
 - 6) 102 mm
 - 7) 10 mm
 - 8) 420 square mm
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Vocabulary

parallelogram [pærə`lelɒgræm] - параллелограмм

base - основание

length [leŋkθ] – длина

height [hait] – высота

perimeter [pe`rimɪtə]

area [eəriə] - площадь