

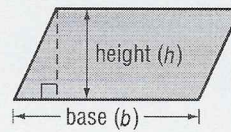
Lesson 1 Reteach

Area of Parallelograms

Words The area A of a parallelogram is the product of any base b and its height h .

Symbols $A = bh$

Model



Example 1

Find the area of the parallelogram.

$$A = bh$$

Area of parallelogram

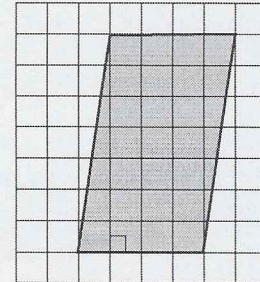
$$A = 4 \times 7$$

Replace b with 4 and h with 7.

$$A = 28$$

Multiply.

The area is 28 square units or 28 units².



The base is 4 units,
and the height is 7 units.

Example 2

Find the height of the parallelogram.

$$A = bh$$

Area of parallelogram

$$24 = 6 \cdot h$$

Replace A with 24 and b with 6.

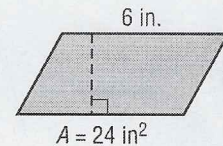
$$\frac{24}{6} = \frac{6h}{6}$$

Divide each side by 6.

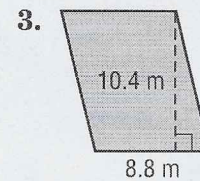
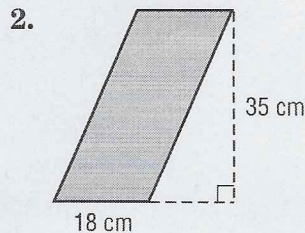
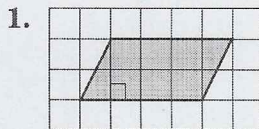
$$4 = h$$

Simplify.

So, the height is 4 inches.



Find the area of each parallelogram.



4. Find the height of a parallelogram if its base is 9 feet and its area is 27 square feet.