

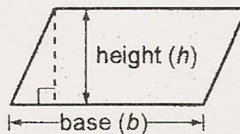
Reteach

Area of Parallelograms

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

Symbols $A = bh$

Model



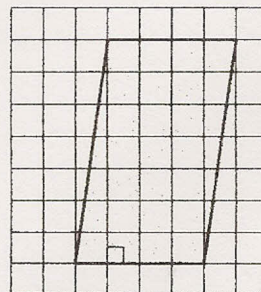
Example 1 Find the area of the parallelogram.

$$A = bh$$

$$A = 4 \times 7$$

$$A = 28$$

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.

$$A = bh$$

$$24 = 6 \cdot h$$

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

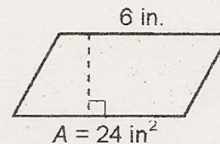
$$4 = h$$

Area of parallelogram

Replace A with 24 and b with 6.

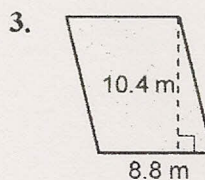
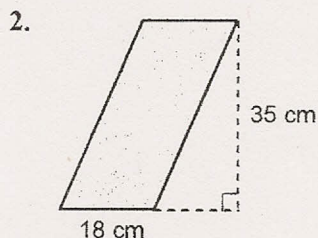
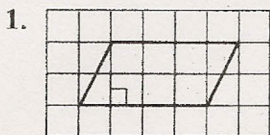
Divide each side by 6.

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.