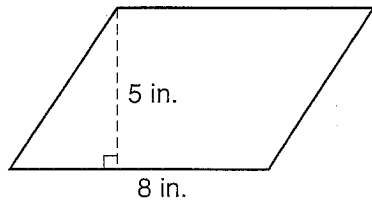


Area of Parallelograms and Triangles

Finding the area of a parallelogram:

Find the area of the parallelogram below.



Use the formula $A = bh$.

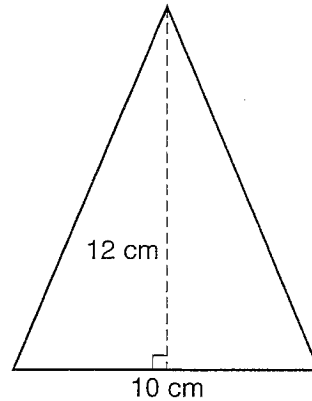
$$A = 8 \times 5$$

$$A = 40 \text{ in}^2$$

The area of the parallelogram is 40 in^2 .

Finding the area of a triangle:

Find the area of the triangle below.



Use the formula $A = \frac{1}{2}bh$.

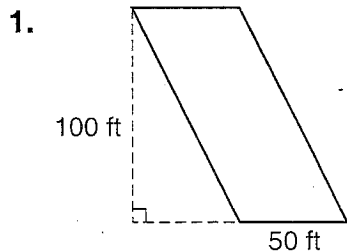
$$A = \frac{1}{2} \times 10 \times 12$$

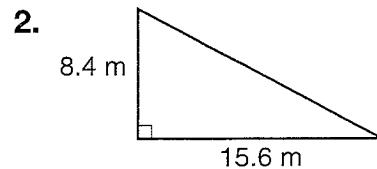
$$A = 5 \times 12$$

$$A = 60$$

The area of the triangle = 60 cm^2 .

Find the area of each parallelogram or triangle.





3. triangle: $b = 3 \text{ ft}$, $h = 9 \text{ ft}$

4. parallelogram: $b = 18 \text{ m}$, $h = 13 \text{ m}$

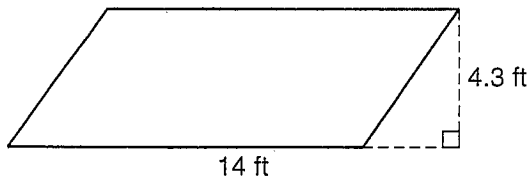
5. triangle: $b = 7 \text{ ft}$, $h = 7 \text{ ft}$

6. **Number Sense** A parallelogram has a base of 9 in. and a height 14 in. What is its area?

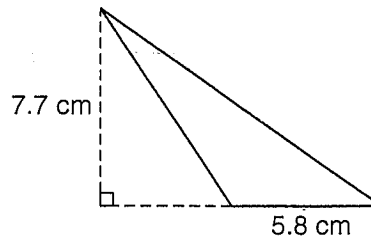
Area of Parallelograms and Triangles

Find the area of each parallelogram or triangle.

1.



2.



3. triangle

$b: 18 \text{ in.}$

$h: 2\frac{1}{4} \text{ in.}$

4. triangle

$b: 11.2 \text{ yd}$

$h: 4 \text{ yd}$

5. parallelogram

$b: 7\frac{1}{4} \text{ ft}$

$h: 5\frac{1}{2} \text{ ft}$

6. **Number Sense** A parallelogram has a base of 4 m and a height of 3 m. Find the area of the parallelogram in square centimeters.

Test Prep

7. Which shows the correct formula for finding the area of a triangle?

A. $bh = (\frac{1}{2})A$

B. $(\frac{1}{2})h = A$

C. $2bh = A$

D. $bh(\frac{1}{2}) = A$

8. **Writing in Math** Tony says that he does not have enough information to find the area of the parallelogram to the right. Is he correct? Explain.

