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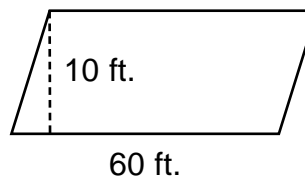
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# Computing the Area of Parallelograms

This figure of a parallelogram has a base of 60 feet and a height of 10 feet.

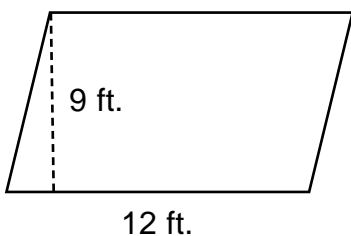
$$\text{Area} = \text{base} \times \text{height}$$

$$A = 60 \text{ ft.} \times 10 \text{ ft.} = 600 \text{ ft.}^2$$

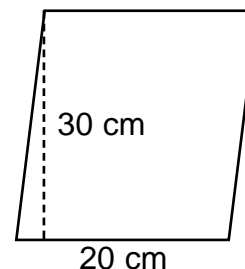


**Directions:** Use the information on page 25 and in the example above to compute the area in each problem below. Remember, answers must be expressed in square units.

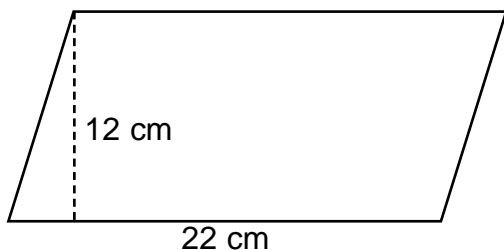
1.  $b = 12$  feet       $A =$  \_\_\_\_\_  
 $h = 9$  feet



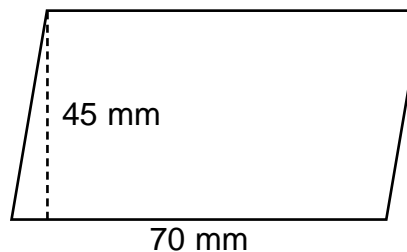
2.  $b = 20$  centimeters       $A =$  \_\_\_\_\_  
 $h = 30$  centimeters



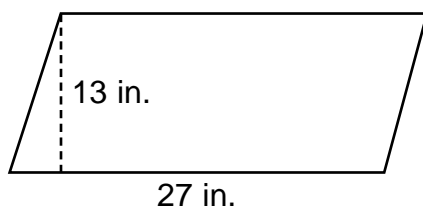
3.  $b = 22$  centimeters       $A =$  \_\_\_\_\_  
 $h = 12$  centimeters



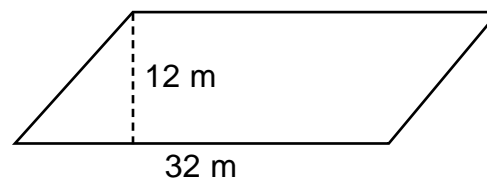
4.  $b = 70$  millimeters       $A =$  \_\_\_\_\_  
 $h = 45$  millimeters



5.  $b = 27$  inches       $A =$  \_\_\_\_\_  
 $h = 13$  inches



6.  $b = 32$  meters       $A =$  \_\_\_\_\_  
 $h = 12$  meters



7. A playground in the shape of a parallelogram has a base of 210 feet and a height of 55 feet. What is the area of the parallelogram? \_\_\_\_\_

8. A parking lot in the shape of a parallelogram has a base of 70 yards and a height of 25 yards. What is the area? \_\_\_\_\_

**Directions:** Solve the multiplication problems and match the answer to the corresponding letter to solve the mystery.

**What did the children discover in the rabbit hutch?**

$$\begin{array}{r} 250 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 19 \\ \hline \end{array}$$

$$\begin{array}{r} 275 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ \times 6 \\ \hline \end{array}$$

$$\begin{array}{r} 90 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 165 \\ \times 25 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ \times 30 \\ \hline \end{array}$$

$$\begin{array}{r} 450 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ \times 78 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ \times 18 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ \times 19 \\ \hline \end{array}$$

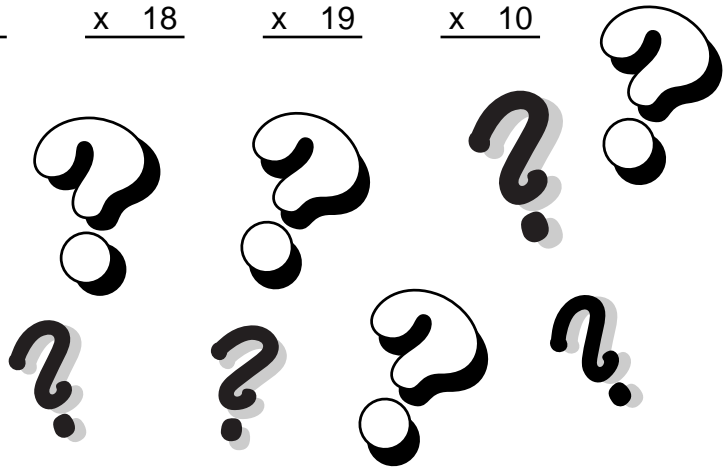
$$\begin{array}{r} 300 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ \times 3 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ \times 36 \\ \hline \end{array}$$

$$\begin{array}{r} 150 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ \times 9 \\ \hline \end{array}$$



$$\begin{array}{r} 75 \\ \times 55 \\ \hline \end{array}$$

$$\begin{array}{r} 297 \\ \times 4 \\ \hline \end{array}$$

$$\begin{array}{r} 87 \\ \times 25 \\ \hline \end{array}$$

$$\begin{array}{r} 171 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 72 \\ \times 25 \\ \hline \end{array}$$

$$\begin{array}{r} 57 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 145 \\ \times 15 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ \times 78 \\ \hline \end{array}$$

P = 399

R = 10,350

O = 855

J = 189

I = 1,800

M = 4,125

S = 3,000

T = 342

U = 1,188

E = 504

Y = 936

L = 2,175

B = 99

A = 4,836