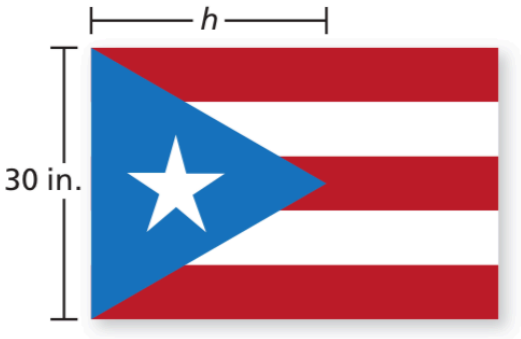
Name _____

Missing Dimensions and Changing Dimensions

B, C

1) The blue triangle in the Puerto Rican flag has an area of 390 in^2. What is the height of the triangle?



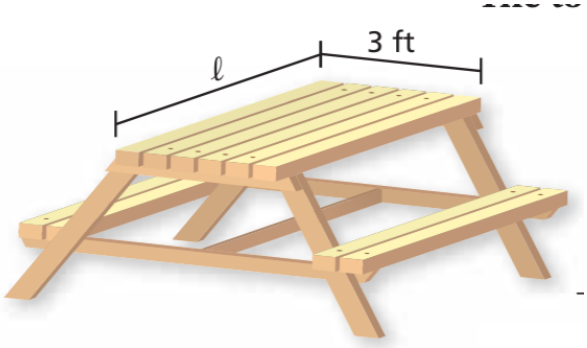
A

2) The French flag has a height of 30 in. and its area is 1350 in^2. What is its length?

30 in

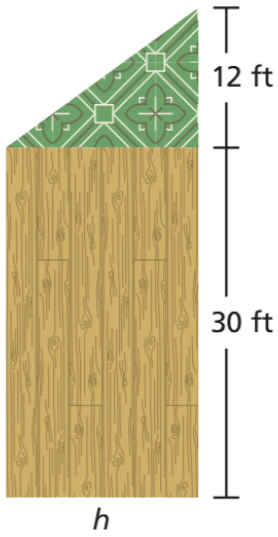
A, B, C

3) The top of the table has a perimeter of 22 feet. What is the length?



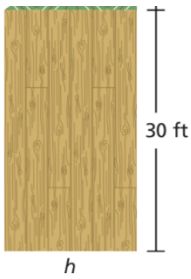
C

4) The rectangular part of a dance studio covers 495 ft^2. What is the area of the triangular part?



A,B

5) The rectangular part of a dance studio covers 495 ft^2. The length is 30 feet. What is the height?



C

6) You plant 576 flower seeds in a window box. You plant 3 seeds per square inch. The box is 8 inches wide. How long is it?

A, B, C

7) A mural has a perimeter of 20 feet and an area of 24 ft^2. Find the length and width of the mural.

8) A, B, C

Here is a rectangle:

Which of the following dimensions would create a rectangle with the same perimeter but a **lesser area**?

a. 8 feet by 8 feet
b. 3 feet by 16 feet
c. 2 feet by 24 feet
d. 2 feet by 14 feet

If you increase each side length of the rectangle above by one unit, how many units greater will the new **perimeter** be?

a. 1 unit
b. 2 units
c. 4 units
d. 8 units

9) A, B

Here is a rectangle:

If you increase each side length of this rectangle by 1 unit, how many square units greater will the new **area** be?

a. 4 square units
b. 6 square units
c. 10 square units
d. 11 square units