

Name _____

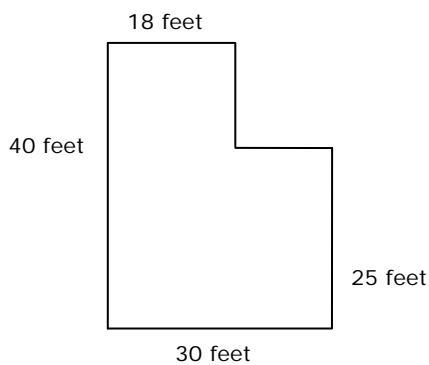
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Using Geometry in Design Problems - Guided Lesson:

Complete the following problems:

1) You are an exporter. You need to send cell phones globally. The cell phones are packed in boxes that are 6 inches long, 3 inches wide, and 3 inches high. How many of these boxes can you pack into a big container that is 18 inches long, 12 inches wide and 15 inches high?

2) A water company inherits an "L" shaped water tower; as seen below. The tower is 10 feet thick throughout the entire tower. One cubic foot of water equals 7.48 gallons. How many gallons of water can be stored in the water tower?



3) A tabletop designer is commissioned to make 25 tabletops for Norton Prep School. The designer wrote down the dimensions of the tabletops, as shown below. How much wood in cm^2 would they need for 25 tabletops?

(Hint: Start with the area of one tabletop? Find the area of each part of the table top and add them together.)

