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Class:



Name:

	Find the area or missing side length of a rectangle
1.	John has a photo frame with the size of 8 feet long and 3.5 feet wide.  What is the area of the photo frame in square inches?
	Let's write down the given information.  Length of the photo frame = 8 feet but in inches:  if 1 foot = 12 inches  then 8 feet = 12 x 8 = 96 inches  Width of the photo frame = 3.5 feet but in inches:  if 1 foot = 12 inches  then 3.5 feet = 12 x 3.5 inches= 42 inches  So, area of the photo frame = Length x Width  96 in x 42 in = 4,032 square inches  Therefore, the area of the photo frame = 4,032 square inches.
2.	Aluha has a rectangular swimming pool at his home, the pool is 54 feet long and 35 feet wide. What is the area of the pool in square yards?
	Let's write down the given information.  length of the swimming pool = 54 feet but in yards:  if 3 feet = 1 yard,  then, 54 feet = 54/3 = 18 yards  Width of the swimming pool = 35 feet.  if 3 feet = 1 yard, then 35 feet = 35/3 = 11.67 yards  So, area of the swimming pool = length x width  18 yards x 11.67 yards = 210 yards <sup>2</sup> Therefore, the area of the pool = 210 yards <sup>2</sup> .
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