

Worksheet 1

January 9, 2013

Problem 1

Suppose two-thirds of the Warriors in a gang are trained in break dancing. Warriors are only allowed to get neck tattoos after mastering the art of break dancing and completing several other initiation rituals. Three-quarters of the warriors that are trained in break dancing have neck tattoos. What percentage of the warriors have neck tattoos?

Problem 2

The inclusive biker gang, Heaven's Angels, is riding down the freeway. Among them are motorcycles and motorized tricycles. There are a total of 17 vehicles and the total number of wheels is 41. How many members are riding motorcycles and how many are riding tricycles.

Problem 3

Suppose your annual tuition as a freshman was 3120. You love the University of Utah so much that you take six years to graduate. Each year, your tuition increases by 6%. How much is your annual tuition during your last year?

Problem 4

Find the perimeter and area of the figure shown if the height is 3 times the width and the height is 15 meters.

