

Name: _____

How Long Is It?

(Common Core Math Standard Domain: Measurement & Data)

Created by Nancy Wendt

An Iditarod musher works hard to determine the 16 dogs he or she wishes to include on the Iditarod team. Once the team is selected and hooked on to the sled, the distance from musher to lead dog is usually around 80 feet. Let's explore the length of 80 feet!

Simple Conversions:

80 feet = _____ inches

80 feet = _____ yards

Any leftover feet? _____ feet



Problem Solving:

1. If you wanted to place 12-inch tiles end to end, how many tiles would it take to make at least 80 feet?

_____ tiles

Show your work:

2. If you placed 15-inch tiles end to end, how many tiles would it take to make at least 80 feet?

_____ tiles

Show your work:

3. Imagine standing on a football field. If a musher would be standing on the Goal line (0 yard line), where would the lead dog be?

***On the football field below, label the yard lines (Goal, 10, 20, 30, 40, 50, 40, 30, 20, 10, Goal) and the musher (M) standing at the Goal line (0 yard line). Then mark on your diagram where the lead dog would be using LD for Lead Dog.**



4. Go out into a hallway of your school. Can you use the tiles on the floor, any markings on the wall, or another method to estimate a distance of 80 feet?

Mark your estimated distance of 80 feet in the hallway.

Draw a diagram of what you did or used to show the estimate of 80 feet:

5. Now measure the estimated distance you marked and thought to be 80 feet.

What is its actual measurement?

_____ feet _____ inches

What is the difference between your estimate and 80 feet?

_____ feet _____ inches

Show your work calculations: