Measuring - Pacing

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Description:

Determine your pace length. Pacing is a useful way to measure when an exact measurement is not needed. For example the tree spacing in an orchard. You pace is simply 2 steps. The best part of pacing is that you are the measuring device!

## What’s in the Box?

### Tools:

100’ tape

Calculator

Chalk

## Determine your pace length

In this exercise you will determine your pace distance then determine a distance by pacing.

1. Layout a 100' course along a street or sidewalk. Mark the start and finish with a chalk mark. You may need an assistant to hold the tape.
2. Walk the course 4 times (up and back twice) recording the number of paces below. NOTE: a pace is two steps. Walk with a normal stride. For example: 20 + 21 + 20 + 20 = 81 (Total paces)
3. Divide total paces by 400' to determine average pace. For example Total paces 400' ÷ 81 = 4.9 feet/pace

\_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_ + \_\_\_\_\_\_\_\_\_\_ = \_\_\_\_\_\_\_\_\_\_\_ (Total paces)

400' ÷ Total paces \_\_\_\_\_\_\_\_\_= \_\_\_\_\_\_\_\_\_\_\_\_\_feet/pace

1. Practice by pacing an unknown distance then measure the distance to see how close your pacing is. For example you could pace the width of your home, the width of the street, or tree spacing in an orchard. Hint: for tree or vine spacing pace/measure multiple rows then take an average. Record on the data sheet (below). For example:  
   34 paces X 4.9 feet/pace = 167 feet, actual distance 174 feet.

## Walk an unknown distance and calculate the distance

Practice #1” Paces \_\_\_\_\_\_\_\_\_ X \_\_\_\_\_ ft/pace = \_\_\_\_\_\_\_\_\_\_\_\_\_ Feet. Actual Distance \_\_\_\_\_\_ ft.

Practice #2” Paces \_\_\_\_\_\_\_\_\_ X \_\_\_\_\_ ft/pace = \_\_\_\_\_\_\_\_\_\_\_\_\_ Feet. Actual Distance \_\_\_\_\_\_ ft.

Practice #3” Paces \_\_\_\_\_\_\_\_\_ X \_\_\_\_\_ ft/pace = \_\_\_\_\_\_\_\_\_\_\_\_\_ Feet. Actual Distance \_\_\_\_\_\_ ft.