
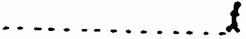





PACING ATTACHMENT

1. DIAGRAM OF A PACE

	Stride In Inches	Steps per Chain	Paces per Chain
	31	25.5	12.75
	30	26.4	13
	29	27.3	13.5
	28	28.3	14
	27	29.3	14.75

STRIDE TABLE

Stride in Inches	Steps per Chain	Paces per Chain
31	25.5	12.75
30	26.4	13
29	27.3	13.5
28	28.3	14
27	29.3	14.75

2. INDIVIDUAL PACE TABLE

Students' Names _____

		Partner's Initials			Partner's Initials
Pace Measurement #1			Pace Measurement #1		
Pace Measurement #2			Pace Measurement #2		
Pace Measurement #3			Pace Measurement #3		
Average Pace Measurement			Average Pace Measurement		

3. GUNTHER CHAIN DATA TABLE

Students' Names _____

		Partner's Initials			Partner's Initials
Pace Chain #1			Pace Chain #1		
Pace Chain #2			Pace Chain #2		
Pace Chain #3			Pace Chain #3		
Average Chain Pace Measurement			Average Chain Pace Measurement		

4. MEASURING PERIMETER

	Shape of Area/ Location	Perimeter Formula	Estimate of Perimeter	Number of Paces Perimeter	Perimeter Measurement	Number of Chains	Comparison Estimate/ Actual Measurement
Student 1							
Student 2							

WHY MIGHT IT BE ADVANTAGEOUS TO USE PACING AND THE GUNTHER CHAIN WHEN MEASURING THE PERIMETER OF A SITE RATHER THAN ACTUAL MEASUREMENT?

5. MEASURING AREA

	Shape of Area/ Location	Area Formula	Estimated Area	Area	Area in Square Chains
Student 1					
Student 2					

WHY MIGHT IT BE ADVANTAGEOUS TO USE PACING AND THE GUNTHER CHAIN WHEN MEASURING THE AREA OF A SITE RATHER THAN ACTUAL MEASUREMENT?

6. ORAL PRESENTATION RUBRIC

PRESENTATION RUBRIC Student Name _____	SCORE 3 mostly 2 somewhat 1 inaccurate 0 no attempt
Defines pace	
Describes purpose of pacing Describes how individual pace is measured	
Defines Gunther Chain. Describes how a pace is converted to a chain.	
Compares and contrasts standard measurement and "in the field" measurement	
Student understands concept being presented.	
Explains why accurate estimates are necessary in the forestry industry	

LABORATORY ASSESSMENT RUBRIC

1. Answers question at end of Data Sheet accurately	
2. Shows understanding of formulas used	
3. Uses appropriate measuring device	
4. Uses measuring devices correctly	
5. Measures and records "pacing" data three times	
6. Measures and records Gunther Chain data three times	
7. Checks partner's measurements and initials data sheet	
8. Measures and records PERIMETER of site	
9. Measures and records AREA of site	
10. Fills out data sheet(s) completely and hands in to teacher	
SCORE: 3 Mostly 2 Somewhat 1 Little or Incomplete 0 No Attempt	

