## Problem set - Decimals

Name:			Date:	
	each problem. Show all of your oblems 1 through 4, round eac		ated.	
1.	12.435; hundredth	3.	989.95; tenth	
2.	0.0083; thousandth	4.	2123.4; hundred	
For prosandth	oblems 5 through 10, write each	ch item as a decim	nal rounded to the near	arest ten thou-
5.	$\frac{5}{16}$	8.	$5\frac{5}{12}$	
6.	$14\frac{2}{3}$	9.	5 <u>2</u> 14	
7.	$\frac{7}{8}$	10.	$\frac{5}{9}$	
11. V	What is the sum of 48.55 and 1	12.78?		
12. S	Subtract 78.7 from 210.12.			
13. N	Multiply 1.81 by 0.042.			
14. V	Vrite as a decimal the length f	orty-nine ten-thou	sandths of an inch.	

15.	Round to the nearest tenth the product of 12.2 and 19.8.
16.	Round to the nearest tenth the ratio of 2.96 feet to 1.25 feet.
17.	Find to the nearest hundredth 386.19 divided by 12.
18.	If it takes 2.2 cubic feet of acetylene to make one bracket, how many cubic feet are needed to make thirty brackets?
19.	If a milling machine removes three thousandths of an inch per pass, how many passes are required to remove $0.024$ inches?
20.	A rod with a diameter of $\frac{7}{16}$ inches is turned on a lathe to a diameter of 0.375 inches. To the nearest thousandth of an inch, by how much is the diameter of the rod reduced?
21.	If 3.2 gallons of catalyst are required for every hundred gallons of solvent, how many gallons of catalyst are required for 250 gallons of solvent?
22.	Which is cheaper per foot, a 48-foot piece of wire rope for \$17.89, or a 108-foot piece for \$37.79?