Name:		Date: 03/31/15	
Mathematics Period 3		Ms. Wilson	
	Using Percents Classwork		
Calculate the following percentages. Express answers to the nearest hundredth where necessary.			
1.) 7% of 48	2.) 12% of 86	3.) 20% of 75	
4.) 35% of 197	5.) 21% of 1192	6.) 87.25% of 724	
	fting department checked 150 drawin ore than 12 mistakes. How many drav		
•	a specific job should take 109 hours. ⁻ n the predicted time. Calculate the nu		
	45" thick must be reduced by 25%. Wanswer to the nearest hundredth?	Vhat is the new thickness in inches	
	epartment supervisor orders 136 read f the total order is on back order. Ho		

11.) A large drafting department consists of 368 drafters. During a 2-year period, $6\frac{1}{4}\%$ of the drafters retired. How many of the original drafters remain in the department?				
	decrease a drafter's time by 30	oment in 60 hours. A drafting machine 0%. Based on this percentage, how many		
drafters, 14 civil drafters, and 2	5 architectural drafters. The res	structural drafters, 19 mechanical t of the employees are CAD drafters. drafter, rounded to the nearest whole		
% Mechanical	% Architectural	% Structural		
% Civil	%CAD			
14.) A manufacturing company has 36 drafters, 75% of whom use CAD rather than more traditional ways to produce their drawings. How many drafters do not use CAD in this company?				
amount of tax that is deducted	from his paycheck for Social Sec	e of \$1200.00. He wants to calculate the curity and Medicare. The combined tax Determine the amount of this monthly		

Name:		Date: 3/31/15
Mathematics Period 3		Ms. Wilson
	Using Percents Homework – Due 4/1/15	
1.) Of the 150 drafters employed by a time jobs?	a company, 18% have part-time jo	obs. How many drafters have part-
2.) A CAD drafter assigns 200 layers of manner: 75 for plan views, 50 for electorications. Calculate, to the inear percentage of layers assigned from the	vations, 40 for details, 25 for con est whole number, the percentag	struction, and 10 for miscellaneous
% Total layers	% Elevations	%Construction
% Plan Views	% Details	% Misc
3.) A CAD drafter wants to determine previous week. The drafter worked 3 income is 28.0% of her gross pay less deduction of \$50 from her taxable income her withholding tax for last week Gross Income	2 hours last week at a rate of \$22 any deductions. She has one dep come per week. Determine her g	2.50 per hour. Her withholding pendent for which the IRS allows a
4.) The total cost of a drafting subcon amount, the computer time costs 149 labor. What are the amounts for each	% of the total amount, and the re	
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