

F-4.5 Review for Quiz F1

Pre-Algebra

Name: _____

Period: _____

Fill in the following chart.

	Fraction	Decimal	Percent
1.	$\frac{3}{4}$		
2.		0.6	
3.			50%
4.			8%
5.		0.45	
6.	$\frac{1}{3}$		

7. Arrange the numbers in the set from smallest to largest: $\left\{\frac{5}{8}, 0.62, 0.64\%, 64\%\right\}$ Hint: change all to decimals first.

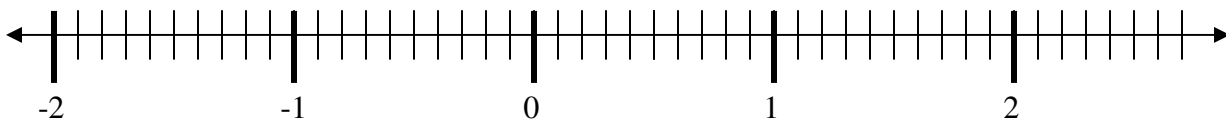
8. Convert the following numbers to decimals then graph them on the number line below. Label your points with the original number.

$2\frac{1}{4}$

65%

$-\frac{5}{3}$

1.05



Solve.

9. $\frac{10}{8} = \frac{25}{x}$

10. $\frac{7}{56} = \frac{x}{20}$

Use the percent proportion $\frac{\textit{is}}{\textit{of}} = \frac{\%}{100}$ to solve each percent problem. Be sure to show the proportion.

11. What is 70% of 54?

12. 93 is what percent of 30?

13. 40 is 25% of what number?

14. If 30% of all automobile accidents are caused by cell phones and one state has 21,000 car accidents each year, how many car accidents are caused by cell phones in that state each year?

15. If you can paint 5 dog houses with 2 gallons of paint how many could you paint with 7 gallons of paint?