

Algebra I
4.5 Worksheet #2

Name: _____

Date: _____ Hour: _____

DECIMALS, FRACTIONS AND PERCENTS

In 1–10, complete the chart. Be sure fractions are in lowest terms.

	Percent	Decimal	Fraction
	20%	.2	$\frac{1}{5}$
1.	75%		
2.	6.3%		$\frac{63}{1000}$
3.	14.5%		
4.	7.2%		
5.	300%		
6.		.25	
7.			$\frac{3}{8}$
8.	80%		
9.			$\frac{9}{10}$
10.			$\frac{3}{4}$

11. What fraction equals 20%? _____

12. 15% is equivalent to what fraction? _____

13. Write 16% as a decimal. _____

14. Write $\frac{5}{8}$ as a percent. _____

15. Write $8\frac{1}{2}\%$ as a decimal. _____

MDCCLXXVI

This is cut on a famous monument. What is the name of the monument? What year does the Roman numeral represent?

To check your answer:

- Change each fraction to a percent.
- Then write each letter over its matching answer in the Decoder.

1. $\frac{4}{5} =$ A	2. $\frac{3}{4} =$ B	3. $\frac{1}{8} =$ E	4. $\frac{3}{10} =$ F
5. $\frac{1}{3} =$ H	6. $\frac{3}{8} =$ I	7. $\frac{1}{4} =$ L	8. $\frac{7}{4} =$ N
9. $\frac{5}{3} =$ O	10. $\frac{2}{5} =$ R	11. $\frac{5}{8} =$ S	12. $\frac{1}{5} =$ T
13. $\frac{7}{10} =$ U	14. $\frac{1}{12} =$ V	15. $\frac{2}{3} =$ X	16. $\frac{4}{15} =$ Y
17. $\frac{9}{25} =$ E	18. $\frac{8}{5} =$ T	19. $\frac{17}{15} =$ S	20. $\frac{102}{19} =$ I

DECODER

20%	$33\frac{1}{3}\%$	$12\frac{1}{2}\%$	$62\frac{1}{2}\%$	160%	80%	20%	70%	36%	$166\frac{2}{3}\%$	30%					
25%	$37\frac{1}{2}\%$	75%	$12\frac{1}{2}\%$	40%	160%	$26\frac{2}{3}\%$	$113\frac{1}{3}\%$	36%	$8\frac{1}{3}\%$	$12\frac{1}{2}\%$	175%	20%	36%	$12\frac{1}{2}\%$	175%
$62\frac{1}{2}\%$	$12\frac{1}{2}\%$	$8\frac{1}{3}\%$	36%	175%	160%	$26\frac{2}{3}\%$	$113\frac{1}{3}\%$	$536\frac{16}{19}\%$	$66\frac{2}{3}\%$						