

MAT115
Test 2
Chapters 3 and 4
25 problems – 4 points each
100 points possible

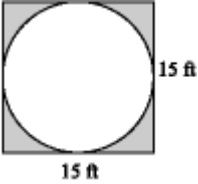
Name: _____

Date: _____

Solve all problems and attach your solutions document in the assignment section. Remember to show all steps and check your work carefully.

Problem	Remember to simplify all answers	Grading Comments
1.	Add. Write the answer in lowest terms. $\frac{3}{8} + \frac{5}{8}$	
2.	Add. Write the answer in lowest terms. $\frac{4}{35} + \frac{3}{28}$	
3.	Add. Write the answer in lowest terms. $\frac{1}{9} + \frac{1}{12} + \frac{1}{15}$	
4.	Subtract. Write the answer in lowest terms. $\frac{17}{24} - \frac{11}{24}$	
5.	Find the least common multiple of 24 and 48.	
6.	a) Write in decimal form b) Write in words $71\frac{85}{1,000}$	
7.	For the decimal 5.81943: What is the place value of 8?	
	Remember to simplify all answers	

8.	Subtract. $\begin{array}{r} 0.71 \\ - 0.27 \\ \hline \end{array}$	
9.	Divide. $48 \overline{)15.6}$	
10.	Multiply. $\begin{array}{r} 37.2 \\ \times 0.47 \\ \hline \end{array}$	
11.	Complete the statement, using the symbol $<$ or $>$. $\frac{4}{7} \square \frac{5}{8}$	
12.	What is the perimeter of a rectangle if the length is $\frac{5}{9}$ m and the width is $\frac{2}{9}$ m?	
13.	Find the decimal equivalent for the following fraction. $\frac{33}{40}$	
14.	Write the following as a common fraction or mixed number. Write your answer in lowest terms. 0.03	
15.	Add. Write the answer in simplest form. $4\frac{1}{3} + 3\frac{1}{9} + 2\frac{1}{2}$	
16	Add. Write in simplest form. $7\frac{4}{5} + 8\frac{4}{5}$	
	Real World Applications	

	(Remember to show all steps.)	
17.	Gasoline is about \$5 per gallon. You use about $1\frac{1}{2}$ gallons each day driving to and from work. How much should you budget for gasoline over the next month (about 20 workdays)?	
18.	Find the area of the shaded part in the figure. Use 3.14 for π and round your answer to one decimal place. 	
19.	Jorge needs $9\frac{3}{4}$ yards of string for one project and $1\frac{15}{16}$ yards of string for a second project. What is the total amount of string needed?	
20.	Paolo paid \$46.36 for four CDs on sale. What was the cost per CD?	
21.	You are making rectangular posters 24 in. by 15 in. How many square feet of material will you need for 6 posters?	
22.	Sheila practiced $1\frac{1}{2}$ hours Monday, $3\frac{3}{4}$ hours Tuesday, and $2\frac{1}{4}$ hours Wednesday. What is the total number of hours that she practiced?	
23.	Mr. Knight owned $\frac{8}{9}$ of a family business. He sold $\frac{1}{8}$ of the business to his sister. What fraction of the	

	business does he still own?	
24.	A block of cheese weighing 2.6 pounds (lb) sold for \$15.55. Find the cost per pound to the nearest cent.	
25.	An office bought 24 handheld calculators for \$592. What was the cost per calculator to the nearest cent?	