

Answer Column:	Fraction, Decimal, and % Practice Quiz Directions: Solve the following problems in the boxes provided. Then, write answers in column. SHOW ALL WORK! SIMPLIFY!		Name: Period:
1. a) <u>2.87</u> b) <u>65.84%</u>	1. a) Write the percent as a <b>decimal</b> $287\%$ always move 2 to the left <u>2.87</u> b) Write the decimal as a <b>percent</b> <u>0.6584</u> always move 2 to the right <u>65.84%</u>		2. Write the fraction as a <b>percent</b> a) $\frac{4 \cdot 4 = 16}{25 \cdot 4 = 100} = 16\%$ Remember % means # over 100 b) $\frac{7}{8} \cdot \frac{0.875}{8 \cdot 7} = 0.875 = 87.5\%$ memory 87.5%
2. a) <u>16%</u> b) <u>87.5%</u>	3. Write the percent as a <b>fraction</b> % means # over 100 a) $8\% = \frac{8}{100} \div 4 = \frac{2}{25}$ b) $225\% = 2.25 = \frac{2 \cdot 25 \div 25}{100 \div 25} = 2\frac{1}{4}$		4. Write the fraction as a <b>decimal</b> $\frac{7}{9} \rightarrow 0.\overline{7}$ $9 \overline{) 70} \rightarrow 0.\overline{7}$ $\begin{array}{r} 70 \\ -63 \\ \hline 70 \\ -63 \\ \hline 70 \end{array}$
3. a) <u><math>\frac{2}{25}</math></u> b) <u><math>2\frac{1}{4}</math></u>	5. Write the fraction as a <b>decimal</b> $\frac{1}{12} = 0.08\overline{3}$ $12 \overline{) 100} \rightarrow 0.08\overline{3}$ $\begin{array}{r} 100 \\ -96 \\ \hline 40 \\ -36 \\ \hline 40 \\ -36 \\ \hline 40 \end{array}$		6. Write the decimal as a <b>fraction</b> $0.4 = \frac{4 \div 2}{10 \div 2} = \frac{2}{5}$ say it in words "4 tenths" memory (flash cards)
4. <u><math>0.\overline{7}</math></u>	7. Write the decimal as a <b>fraction</b> $0.24 = \frac{24}{100} \div 4 = \frac{6}{25}$ say it in words "24 hundredths"		8. Evaluate $5.6 - 0.0675$ ← add zeros $\begin{array}{r} 5.60000 \\ - 0.0675 \\ \hline 5.59325 \end{array}$
5. <u><math>0.08\overline{3}</math></u>	9. Evaluate $1.5 \times 8$ $\begin{array}{r} 15 \\ \times 8 \\ \hline 120 \end{array}$ 2 dec places <u>1.20</u>		10. Evaluate when $x = .011$ $.000275 \times .011 = 0.000002925$ 3 places 3 places $\begin{array}{r} .000275 \\ \times .011 \\ \hline .000002925 \end{array}$
6. <u><math>\frac{2}{5}</math></u>			
7. <u><math>\frac{6}{25}</math></u> <u>5.59325</u>			
8. _____			
9. <u>1.2</u>			
10. <u>0.025</u>			