

Math Basic Skills Quiz (OCT) - Mazzeo 2014

First & Last Name: _____ Random Generator #: _____

Directions: 1.) SHOW ALL THINKING 2.) Circle your final answers 3.) Simplify and label units if needed 4.) No calculators 5.) "Tell the truth - all the time." - Randy Pausch

1.) $\frac{4}{5} + \frac{5}{7}$

$\frac{28}{35} + \frac{25}{35} = \frac{53}{35} \text{ or } 1\frac{18}{35}$

2.) $\frac{5}{8} - \frac{1}{6}$

$\frac{15}{24} - \frac{4}{24} = \frac{11}{24}$

3.) $\left(-\frac{4}{15}\right)\left(\frac{6}{16}\right)$
5 4 2

$-\frac{1}{10}$

4.) $6\frac{2}{3} + 4\frac{5}{7}$

$6 + 4 = 10$

$\frac{2}{3} + \frac{5}{7} = \frac{14}{21} + \frac{15}{21} = \frac{29}{21} = 1\frac{8}{21}$

$11\frac{6}{21} \text{ or } \frac{239}{21}$

5.) Write $\frac{325}{10,000}$ as a decimal

0.0325
 $\frac{1}{10} \quad \frac{1}{100} \quad \frac{1}{1000} \quad \frac{1}{10,000}$

6.) $(0.6)(0.45)$

$\begin{array}{r} 345 \\ 6 \\ \hline 270 \end{array}$ 0.270

7.) Find 45% of 120

$10\% \Rightarrow 12$
 $5\% \Rightarrow 6$
 $50\% \Rightarrow 60$
 $60 - 6 = 54$

8.) What is a 15% tip for a \$28 bill?

$10\% \Rightarrow 2.8$
 $5\% \Rightarrow 1.4$
 $15\% \Rightarrow \$4.20$

9.) & 10.) Place the given number on the # line below and show thinking for at least one.

$26\%, \frac{24}{36}, 0.6, \frac{80}{240}, 0.05, \frac{40}{160}, 16\%, \frac{4}{7}, 0.9\%, \frac{7}{9}$

