Directions: *Order the following values from least to greatest. Write original numbers on the answer line.*

1) 25%, $\frac{1}{9}$, 0.3, $\frac{1}{4}$ 25% = 0.25

Answer: $\frac{1}{9}$, 25%, $\frac{1}{4}$, 0.3

2) -4^2, $\frac{2}{5}$, |–0.4|, 0.123   same

Answer: -4^2, 0.123, $\frac{2}{5}$ & |–0.4|

3) Emma and Ella are saving coins for the penny wars. Emma has saved $6.18 in coins, and Ella has saved $4.79. How much more has Emma saved?

6.18
−4.79
1.39 $1.39

4) It was 12.6°F at 2 p.m. and then the temperature dropped 15.1°F. What is the new temperature? −2.5

Directions: *Compare the following fractions using <, >, or =.*

| 5) $\frac{3}{5}$ ⊘ 0.24   ↓ 120 300 $\frac{3}{5}$ ⊘ $\frac{24}{100}$ $\frac{2}{24}$ ×5 100 | 6) $\frac{8}{11}$ ⊘ $\frac{7}{9}$ 72   77 bottoms up | 7) $\frac{6}{7}$ ⊘ $\frac{12}{49}$ 294   84 $\frac{12}{7}$ × 64 49 ×6 294 |

Directions: *Fill in the missing part of the table.*

Decimal	Fraction	Percent
8) 0.05 5 hundredths	$\frac{5}{100}$ ÷5 = $\frac{1}{20}$	0.05 5%
9) 0.56 56 hundredths	$\frac{28}{50}$ ÷2 = $\frac{14}{25}$	56%
10) 0.765 765 thousandths	$\frac{765}{1000}$ simplify = $\frac{153}{200}$	76.5%

Directions: *Perform the operation.*

| 11) −6.2(8) = neg −49.6 | 12) $-\frac{16}{9}\left(\frac{3}{10}\right)$ = neg | 13) $-\frac{36}{20} \div \left(-\frac{12}{5}\right)$ = posi |

1.) $25\% = 0.25$ 11.) $\begin{array}{r} -6.2 \\ \times\ 8 \\ \hline -49.6 \end{array}$

$\frac{1}{4} = 0.25$

$\frac{1}{9} \rightarrow 9\overline{)1.00}\ \ \begin{array}{r} 0.11 \\ \hline \end{array}$
$\phantom{\frac{1}{9} \rightarrow 9\overline{)}} \begin{array}{r} -9\ \downarrow \\ \hline 10 \end{array}$

12.) $\begin{array}{c} -8 \\ -\cancel{16} \\ \cancel{8} \\ 3 \end{array} \cdot \left(\dfrac{\cancel{3}}{\cancel{10}} {\atop 5}\right) = \boxed{\dfrac{-8}{15}}$ simplify

2.) $-4^2 = -16$

$\frac{2}{5} \rightarrow 5\overline{)2.0}\ \ \begin{array}{r} 0.4 \\ \hline -20 \end{array}$

13.) $\begin{array}{c} -3 \\ -\cancel{36} \\ 20 \\ -4 \end{array} \cdot \dfrac{-\cancel{5}}{\cancel{12}}$

$\boxed{\dfrac{3}{4}}$

$|-0.4| = 0.4$

4.) $12.6 - 15.1$
   — different signs → subtract

$\begin{array}{r} -15.1 \\ 12.6 \\ \hline -2.5 \end{array}$

9.) $\begin{array}{r} 0.56 \\ 25\overline{)14.00} \\ -125\ \downarrow \\ \hline 150 \\ -150 \\ \hline 0 \end{array}$