Practice 6.1 – Percents, Decimals, and Fractions   Name _____

Express each percent as a **decimal**.

1. 83% _____   **2.** 63.4% _____

3. 360% _____   **4.** 8% _____

Express each decimal as a **percent**.

5. 0.45 _____   **6.** 0.025 _____

7. 2 _____   **8.** 0.007 _____

Express each fraction as a **percent**.

9. $\dfrac{9}{10}$ _____   **10.** $\dfrac{3}{5}$ _____

11. $\dfrac{1}{3}$ _____   **12.** $\dfrac{7}{8}$ _____

Express each percent as a **fraction** in simplest form.

13. 20%   **14.** 150%   **15.** 4%

Practice 6.1 – Percents, Decimals, and Fractions   Name __Key__

Express each percent as a **decimal**.

1. 83%   __0.83__

2. 63.4%   __0.634__

3. 360%   __3.60__

4. 8%   __0.08__

Express each decimal as a **percent**.

5. 0.45   __45%__

6. 0.025   __2.5%__

7. 2   __200%__

8. 0.007   __0.7%__

Express each fraction as a **percent**.

9. $\frac{9}{10}$ __90%__

$$
\begin{array}{r}
0.9 \\
10\overline{)9.0} \\
-9\ 0 \\
\hline
0
\end{array}
$$

10. $\frac{3}{5}$ __60%__

$$
\begin{array}{r}
0.6 \\
5\overline{)3.0} \\
-3\ 0 \\
\hline
0
\end{array}
$$

11. $\frac{1}{3}$ __$33.\overline{3}$%__

$$
\begin{array}{r}
0.33 \\
3\overline{)1.00} \\
-\ 9 \\
\hline
10 \\
-\ 9 \\
\hline
10
\end{array}
$$

12. $\frac{7}{8}$ __87.5%__

$$
\begin{array}{r}
0.875 \\
8\overline{)7.000} \\
6\ 4 \\
\hline
60 \\
56 \\
\hline
40 \\
-40 \\
\hline
0
\end{array}
$$

Express each percent as a **fraction** in simplest form.

13. 20%

$\frac{20}{100} = \boxed{\frac{1}{5}}$

14. 150%

$\frac{150}{100} = \boxed{\frac{3}{2}}$

15. 4%

$\frac{4}{100} = \boxed{\frac{1}{25}}$