

**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.  $\frac{9}{10}$  \_\_\_\_\_

10.  $\frac{3}{5}$  \_\_\_\_\_

11.  $\frac{1}{3}$  \_\_\_\_\_

12.  $\frac{7}{8}$  \_\_\_\_\_

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.  $83\%$  .83

2.  $63.4\%$  .634

3.  $360\%$  3.60 or 3.6

4.  $8\%$  .08

  
move the decimal 2 places

Express each decimal as a **percent**.

5.  $0.45$  45%

6.  $0.025$  2.5%

7.  $2$  200%

8.  $0.007$  .7% or 0.7%

Express each fraction as a **percent**.

9.  $\frac{9}{10}$  90%  
division bar

10.  $\frac{3}{5}$  60%

$3 \div 5 = .6 = 60\%$

$9 \div 10 = .9$   
then move decimal 2 to the right

11.  $\frac{1}{3}$  33. $\bar{3}$ %

12.  $\frac{7}{8}$  87.5%

$1 \div 3 = .333\dots$   
or  $.\bar{3}$

$7 \div 8 = .875$

connect will take this answer

with a decimal  
 $13.6\% = \frac{13.6}{100} = \frac{136}{1000} = \frac{17}{125}$

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

13.  $20\%$   
 $\frac{20}{100} = \frac{2 \div 2}{10 \div 2} = \frac{1}{5}$

14.  $150\%$   
 $\frac{150}{100} = \frac{15 \div 5}{10 \div 5} = \frac{3}{2}$

15.  $4\%$   
 $\frac{4}{100} \div 4 = \frac{1}{25}$