

# Fractions, Decimals, and Percentages Assignment

Identify whether the following is a proper fraction, an improper fraction, or mixed numbers.

1.  $\frac{3}{5}$

2.  $\frac{16}{5}$

3.  $\frac{5}{2}$

4.  $1\frac{3}{4}$

Identify whether the decimal in each case is terminating, repeating or non-terminating non-repeating.

5. 0.852

6. 0.2357914579.....

7. 0.181818.....

8. 0.75

Convert the following fraction to decimals.

9.  $\frac{5}{8}$

10.  $\frac{124}{20}$

11.  $\frac{1}{6}$

12.  $\frac{2}{3}$

Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

# Fractions, Decimals, and Percentages Assignment

Convert the following decimals to fraction.

13. 0.65

14. 0.263333333....

15. 0.5252525.....

16. 0.52

Convert the following percent to decimals.

17. 85%

18. 5.3%

19.  $\frac{5}{2}\%$

20.  $\frac{4}{5}\%$

# Fractions, Decimals, and Percentages Assignment

**ANSWERS:** Identify whether the following is a proper fraction, an improper fraction, or mixed numbers.

1.  $\frac{3}{5}$   
Proper Fraction

2.  $\frac{16}{5}$   
Improper Fraction

3.  $\frac{5}{2}$   
Improper Fraction

4.  $1\frac{3}{4}$   
Mixed numbers

Identify whether the decimal in each case is terminating, repeating or non-terminating non-repeating.

5. 0.852  
terminating

6. 0.2357914579.....  
Non-terminating Non-repeating

7. 0.181818.....  
Repeating

8. 0.75  
Terminating

Convert the following fraction to decimals.

9.  $\frac{5}{8} = 0.625$

10.  $\frac{124}{20} = 6.2$

11.  $\frac{1}{6} = 0.\overline{16}$

12.  $\frac{2}{3} = 0.\overline{6}$

Convert the following decimals to fraction.

13. 0.65  
 $\frac{65}{100} = \frac{13}{20}$

14. 0.263333333....  
 $\frac{263 - 26}{900} = \frac{237}{900} = \frac{79}{300}$

15. 0.5252525.....  
 $\frac{52}{99}$

16. 0.52  
 $\frac{52}{100} = \frac{13}{25}$

Convert the following percent to decimals.

17. 85%  
 $\frac{85\%}{100\%} = 0.85$

18. 5.3%  
 $\frac{5.3\%}{100\%} = 0.053$

19.  $\frac{5}{2}\%$   
 $\frac{5}{2}\% \div 100\% = \frac{5}{200} = 0.025$

20.  $\frac{4}{5}\%$   
 $\frac{4}{5}\% \div 100\% = \frac{4}{500} = 0.008$