



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

## Converting Decimals to Fractions

### Procedure:

1. Determine the denominator by counting the number of digits to the right of the decimal point. (One digit is tenths, denominator of 10; two digits is hundredths, denominator of 100; and so on)
2. The numerator is the number to the right of the decimal point.
3. Simplify, if possible.

### Example: Convert 0.45 to a fraction.

1. There are 2 digits to the right of the decimal point. Therefore, the denominator is 100.
2. The number 45 is to the right of the decimal point and therefore the numerator.
3.  $\frac{45}{100}$ , which can be simplified to  $\frac{9}{20}$

### Convert to fractions.

1. .31

2. .7

3. .22

4. .5

5. 4.3

6. 1.6

7. .481

8. .102

9. .07

10. 2.04

11. .005

12. 5.70

13. 3.913

14. .954

15. 11.34