LESSON 13
PERCENTS, FRACTIONS, AND DECIMALS

OBJECTIVES:	▣ Understand how to convert percents and fractions to decimals
	▣ Use percentages in calculations

Converting percents to decimals:

1. Drop the percent sign (%).

2. Move the decimal two (2) places to the left.

Examples:

4% = .04	80% = .80	675% = 6.75

Converting fractions to decimals: Divide the upper number (numerator) by the lower number (denominator).

Examples:

5/8 $5 \div 8 = .6250$
1/6 $1 \div 6 = .1667$

Exercise 1: Convert these percents to decimals.

1.   77% = _____

2.   94% = _____

3.   528% = _____

4.   75.2% = _____

5.   39.2% = _____

6.   16% = _____

7.   144% = _____

8.   99.99% = _____

Exercise 2*:* Convert these fractions to decimals.
(Set Decimal Selector at 2.)

9.   3/5 = _____

10.   7/16 = _____

11.   4 5/6 = _____

12.   8 1/2 = _____

13.   16/17 = _____

14.   44/45 = _____

15.   12 4/77 = _____

16.   129/18,488 = _____

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____

Lesson Review 13: Convert these to decimals. When you are comfortable converting percents and fractions to decimals, continue working with Lesson 14.

17.   112% = _____

18.   2/17 = _____

19.   17 1/6 = _____

20.   44.57% = _____

21.   1768% = _____

22.   11/268 = _____

23.   1/267 = _____

24.   34.79% = _____

17. _____
18. _____
19. _____
20. _____
21. _____
22. _____
23. _____
24. _____