**LESSON 13—NOTES**

**FRACTIONS TO DECIMALS TO PERCENTS**

**PERCENT PROPORTIONS**

**FRACTIONS TO DECIMALS**—DIVIDE THE BOTTOM INTO THE TOP!!

EX: $\frac{4}{5}$ EX: $\frac{3}{7}$ EX: $\frac{8}{9}$

**DECIMALS TO FRACTIONS**—USE PLACE VALUE!! SET UP A FRACTION AND REDUCE TO LOWEST TERMS.

EX: 0.15 EX: 1.2 EX: 0.8

**PERCENT TO FRACTIONS**—ALL PERCENTS ARE MEASURED OUT OF 100. THE

 PERCENT BECOMES THE NUMERATOR (TOP) AND 100 BECOMES

 THE DENOMINATOR (BOTTOM). REDUCE TO LOWEST TERMS.

EX: 94% EX: 12% EX: 50%

**FRACTIONS TO PERCENT**—SET UP A PERCENT PROPORTION!

**FORMULA: PERCENT PROPORTION**

 $\frac{IS}{OF}$ = $\frac{\%}{100}$

EX: $\frac{2}{5}$ EX: $\frac{9}{10}$ EX: $\frac{2}{15}$

**DECIMALS TO PERCENTS**—MOVE THE DECIMAL **2** PLACES TO THE RIGHT!

EX: 0.58 EX: 1.23 EX: 0.6

EX: 0.625 EX: 0.7725 EX: 2.1

**PERCENTS TO DECIMALS**— MOVE THE DECIMAL **2** PLACES TO THE LEFT!!

EX: 67% EX: 5% EX: 9.8%

EX: 0.2% EX: 110% EX: 12%

**LESSON 13—NOTES—STUDENT COPY**

**FRACTIONS TO DECIMALS TO PERCENTS**

**PERCENT PROPORTIONS**

**FRACTIONS TO DECIMALS**—\_\_\_\_\_\_\_\_\_\_\_\_ THE BOTTOM INTO THE \_\_\_\_\_\_\_\_\_!!

EX: $\frac{4}{5}$ EX: $\frac{3}{7}$ EX: $\frac{8}{9}$

**DECIMALS TO FRACTIONS**—USE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!! SET UP A FRACTION AND \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TO LOWEST TERMS.

EX: 0.15 EX: 1.2 EX: 0.8

**PERCENT TO FRACTIONS**—ALL PERCENTS ARE MEASURED OUT OF\_\_\_\_\_\_\_. THE

 PERCENT BECOMES THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (TOP) AND 100 BECOMES

 THE\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (BOTTOM). REDUCE TO

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

EX: 94% EX: 12% EX: 50%

**FRACTIONS TO PERCENT**—SET UP A\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_!

**FORMULA: PERCENT PROPORTION**

EX: $\frac{2}{5}$ EX: $\frac{9}{10}$ EX: $\frac{2}{15}$

**DECIMALS TO PERCENTS**—MOVE THE DECIMAL **\_\_\_\_** PLACES TO THE­­­\_\_\_\_\_\_\_\_\_\_!

EX: 0.58 EX: 1.23 EX: 0.6

EX: 0.625 EX: 0.7725 EX: 2.1

**PERCENTS TO DECIMALS**— MOVE THE DECIMAL **\_\_\_\_** PLACES TO THE\_\_\_\_\_\_\_\_\_!

EX: 67% EX: 5% EX: 9.8%

EX: 0.2% EX: 110% EX: 12%

**Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Class\_\_\_\_\_\_**

**LESSON 13: FRACTIONS, DECIMALS, & PERCENTS**

**NWNC!!**

CHANGE FRACTIONS TO DECIMALS:

1. 7/8 2. 1/6 3. 5/4

 \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_

CHANGE DECIMALS TO FRACTIONS: (REDUCE TO LOWEST TERMS)

4. 0.12 5. 1.15 6. 0.05

 \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

CHANGE PERCENTS TO FRACTIONS: (REDUCE TO LOWEST TERMS)

7. 40% 8. 65% 9. 36%

 \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

CHANGE FRACTIONS TO PERCENTS: (REMEMBER ALL PERCENTS ARE MEASURED OUT OF 100)

10. $\frac{3}{4}$ 11. $\frac{13}{20}$ 12. $\frac{8}{25}$

 \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

CHANGE DECIMALS TO PERCENTS:

13. 0.26 14. 2.37 15. 0.1

 \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_

CHANGE PERCENTS TO DECIMALS:

16. 0.067% 17. 3% 18. 125%

 \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ ­­­­­\_\_\_\_\_\_\_\_\_

19. WHAT IS THE FORMULA FOR THE PERCENT PROPORTION?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20. THE TOP NUMBER OF A FRACTION IS CALLED THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 AND THE BOTTOM NUMER OF A FRACTION IS CALLED THE \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.