Name		Period
Secondary 1 Honors	Critical Review 2	Unit 2

In case you forgot,

## How to Convert a Percent to a Decimal

• Divide a percentage by 100 to convert from a percent to a decimal.

Examples:

A. 
$$10\%$$
 is  $10 \div 100 = 0.1$ 

B. 
$$67.5\%$$
 is  $67.5 \div 100 = 0.675$ 

## How to convert a decimal to a percentage:

Multiply by 100

Examples:

A. 0.156 becomes  $0.156 \times 100 = 15.6\%$ 

B. 1.2 becomes  $1.2 \times 100 = 1200\%$ 

 Note: just because you change it to a percent, you might still have a decimal in the answer (see example A)

#1-8: Convert each percent to a decimal.

#9-14: Convert each decimal into a percent.

#15-24: Determine what the missing number would be in each patter AND describe the pattern with words. (Note: the answers for the patterns are not listed in the answer section, but you MUST describe the pattern in words.)

15. 2, 7, 12, \_\_\_\_, 22

16. 10, \_\_\_\_, 250, 1250, 6250

17. 1, 2, 4, 8, \_\_\_\_

18. \_\_\_, 3, 6, 10, 15

19. 4, 36, \_\_\_\_, 2916

20. 25, 36, \_\_\_\_, 56. 81

21. 193, 219, 245, \_\_\_\_, 297

22. \_\_\_\_, 5, 7, 10, 14

23. 1, 1, 2, 3, 5, 8, \_\_\_\_

24. 10, 15, 22.5, 33.75, \_\_\_\_

## **Answers:**

0.13	576%	49	0.005	1000.5%	16	324	0.08
0.0004	50	7.45	31%	13	0.031415	4	280%
1	0.0125	17	50.625	30%	271	0.0014	<b>7%</b>