Unit 8 Objective 6 Remediation
Find Equivalent Percents *(changing a decimal to a percent)*

*Remember! The % sign represents "per 100."

Method 1: To express a decimal as a percent:
a) Write the decimal as a fraction with a denominator of 100.
b) Now, write the numerator by itself and attach a percent sign.

Method 2 (Short Cut): To express a decimal as a percent:
Another way to write a decimal as a percent is to *move the decimal point two places to the right* and add the percent sign. Moving the decimal point two places to the right is like multiplying by 100.

From Decimal		To Percent
0.125	0.1.2.5	12.5%
	2 Places	

Express each decimal as a percent.
You can use method 1 or method 2 above.

➢ **Example 1**
0.55

Solution
$0.55 = \frac{55}{100} = 55\%$ OR $0.55 = 0.55 = 55\%$

➢ **Example 2**
0.4

Solution
$0.4 = \frac{40}{100} = 40\%$ OR $0.4 = 0.4 = 40\%$

➢ **Example 3**
1.1

Solution
$1.1 = 1\frac{1}{10} = 1\frac{10}{100} = \frac{110}{100} = 110\%$ OR $1.1 = 110\%$

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Find Equivalent Percents *(changing a fraction to a percent)*

*Remember! The % sign represents "per 100."

Method 1: To express a fraction as a percent: Solve a percent proportion and add a percent sign to your final answer.

$$\frac{4}{5} \quad\Longrightarrow\quad \frac{4}{5} = \frac{x}{100}; \qquad \frac{5x}{5} = \frac{400}{5}; \qquad x = 80; \qquad \text{Answer: } 80\%$$

Method 2: To express a decimal as a percent: Write an equivalent fraction with a denominator of 100. Then write the fraction as a percent. (Note: This method works only if the given denominator is a factor or multiple of 100.)

$$\frac{4}{5} \quad\Longrightarrow\quad \frac{4*20}{5*20} = \frac{80}{100} = 80\%$$

Method 3: To express a decimal as a percent: Use division to write the fraction as a decimal. Then write the decimal as a percent.

Try Some! Express each decimal as a percent.

1. 0.79

2. 7.36

3. 2.1

4. 5.99

5. 9.26

6. 6.85

7. 7.55

8. 8.79

9. 0.48

10. 0.09

Try Some! Express each fraction as a percent.

11. $\frac{4}{8}$

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

13. $\frac{3}{6}$

14. $\frac{6}{8}$

15. $\frac{7}{8}$

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

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

18. $\frac{1}{8}$

19. $\frac{4}{6}$

20. $\frac{5}{6}$