Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**6.1A Percents and Decimals\_ Classwork**

*Objective: write percents as decimals, write decimals as percents, and solve real-life problems.*

*CC.SS.7.EE.3 and MP4 Model and Mathematics*

*HW: 6.1A worksheet*

<https://www.mathsisfun.com/converting-decimals-percents.html>

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| **CONVERT FROM DECIMAL TO PERCENT** |
| **EXAMPLE 1:** Convert 0.125 to percent  Multiply 0.125 by 100:  0.125 x 100 = 12.5  Put the percent sign:  12.5%  Answer:  0.125 = 12.5%  +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++  **PRACTICE PROBLEMS**   |  |  |  | | --- | --- | --- | | 1. Convert 0.35 to percent | 1. Convert 0.895 to percent | 1. Convert 1.2 to percent |   Can you find an easier way to convert from decimal to percent? |
| **CONVERT FROM PERCENT TO DECIMAL** |
| **EXAMPLE 2:** Convert 15.3% to decimal  Rewrite the value without the percent:  15.3  Divide 15.3 by 100  15.3 100 = 0.153  Answer:  15.3% = 0.153  +++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++  **PRACTICE PROBLEMS**   |  |  |  | | --- | --- | --- | | 1. Convert 8.5% to decimal | 1. Convert 250% to decimal | 1. Convert 0.835% to decimal |   Can you find an easier way to convert from percent to decimal? |

*DIRECTION: Write the following fractions as decimals and as percentages.*

|  |  |  |  |
| --- | --- | --- | --- |
| Fraction | Fraction in hundredths | Decimal | Percentage  You may have learned previously, that to change a fraction to a percentage, you multiply the fraction by 100/1 which is what we are doing in the third column. |
|  |  | = 0.50 (or ) | 50% (parts =50parts) |
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|  |  |  | You are free to choose!  50% =  Sometimes one format is more suitable than another. |
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