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>

|  |
| --- |
| **CONVERT FROM DECIMAL TO PERCENT** |
| **EXAMPLE 1:** Convert 0.125 to percentMultiply 0.125 by 100: 0.125 x 100 = 12.5Put 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: 15.3Divide 15.3 by 100 15.3 $÷ $100 = 0.153Answer: 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 | PercentageYou 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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