Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_\_\_\_\_Period: \_\_\_\_\_ Date: \_\_\_\_

**6.1B 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*

*Textbook: 6.1B pg 218\_#31-40 ALL*

Video: <https://www.youtube.com/watch?v=Kr52yfR3wGA>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Fraction (out of 100** | **Fraction (simplest form)** | **Decimal** | **Percent** | **Draw a chart to represent the problem** |
| **1** | $$\frac{25}{100}$$ | $$\frac{1}{4}$$ | 0.25 | 25% |  |
| **2** | $$\frac{20}{100}$$ |  |  | 20% |  |
| **3** |  | $$\frac{1}{5}$$ |  |  |  |
| **4** | $$\frac{40}{100}$$ |  |  |  |  |
| **5** |  | $$\frac{3}{50}$$ |  |  |  |
| **6** | $$\frac{75}{100}$$ |  |  |  |  |
| **7** |  |  | 0.6 |  |  |
| **8** |  |  |  | 30% |  |
| **9** | $$\frac{125}{100}$$ |  |  |  | Create your own |
| **10** |  |  |  | 225% | Create your own |

Classwork online Desmo matching activity – click on Level 1. Record your work on the back of the worksheet: <https://teacher.desmos.com/activitybuilder/custom/57d623c8b7866de007eeb3e0>

DIRECTION: Fill in the gaps in the following table to give 3 equivalent forms of each number i.e. fraction, decimal and percentage. Simplify the fractions to their lowest terms.

|  |  |  |
| --- | --- | --- |
| **Fraction** | **Decimal** | **Percentage** |
|  | 0.54 | 54% |
|  |  | 65% |
|  | 0.5625 | 56.25% |
|  | 0.095 |  |
|  |  | 5.431% |
|  | 2.85 |  |
|  | 0.01034 | 1.034% |
|  |  | 162.5% |
|  | 3.047 | 304.7% |
|  | 7.0613 |  |

Percentage games: http://nrich.maths.org/public/viewer.php?obj\_id=602