“Student-Friendly” Standards for Math 6

Unit 2 Rate, Ratio and Proportional Reasoning Using Equivalent Fractions

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| **Standard**  **Code** | **Mastery**  **Level** | **Standard** |
| **RP.1** |  | I can write ratio notation in multiple ways. (For example, as 2:3, 2 to 3, 2/3.) |
|  | I can explain how order matters when writing a ratio. |
|  | I can demonstrate how ratios can be simplified. |
|  | I can demonstrate how ratios compare two quantities; the quantities do not have to be the same unit of measure. |
|  | I can recognize that ratios appear in a variety of different contexts: part-to-whole, part-to-part, and rates. |
|  | I can generalize that all ratios relate two quantities or measures within a given situation in a multiplicative relationship. |
|  | I can analyze context to determine which kind of ratio is represented. |
| **RP.2** |  | I can identify and calculate a unit rate. |
|  | I can use appropriate math terminology as related to rate. |
|  | I can analyze the relationship between a ratio *a:b* and a unit rate *a/b* where *b* ≠ 0. |
| **RP.3** |  | I can make a table of equivalent ratios using whole numbers. |
|  | I can find the missing values in a table of equivalent ratios. |
|  | I can solve real-world and mathematical problems involving ratio and rate, e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations. |
| **RP.3a** |  | I can make a table of equivalent ratios using whole numbers. |
|  | I can find the missing values in a table of equivalent ratios. |
|  | I can plot pairs of values that represent equivalent ratios on the coordinate plane. |
|  | I can use tables to compare proportional quantities. |
| **RP.3b** |  | I can apply the concept of unit rate to solve real-world problems involving unit pricing. |
|  | I can apply the concept of unit rate to solve real-world problems involving constant speed. |
| **RP.3c** |  | I can demonstrate how a percent is a ratio of a number to 100. |
|  | I can find a percent of a number as a rate per 100. |
|  | I can solve real-world problems involving finding the percent of a quantity, given a percent, find the whole given a part and the part given a whole. |
| **RP.3d** |  | I can apply ratio reasoning to convert measurement units in real-world and mathematical problems. |
|  | I can apply ratio reasoning to convert measurement units by multiplying or dividing in real-world and mathematical problems. |