**Unit Guide: Ratios and Proportional Relationships**

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**Common Core Learning Targets**:

* I can understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities. (6.RP.1)
* I can understand the concept of a unit rate and use rate language in the context of a ratio relationship. (6.RP.2)
* I can use ratio and rate reasoning to solve real-world and mathematical problems. (6.RP.3)
* I can use ratio reasoning to convert measurement units. (6.RP.3d)
* I can find a percent of a quantity as a rate per 100 and solve problems involving finding the whole, given a part and the percent. (6.RP.3c)

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| **MATH ON CALL** | **Ratios and Proportional Relationships** |
| Section | Topic |
| 424-425  428-434  435  438-439  441-442  443-445 | Ratios  Proportions  Rates  Unit Price  Percent  Percent of a Number |

**VOCABULARY**

conversion equivalent ratio

percent proportion

rate rate table

ratio unit rate

**Ratios and Proportional Relationships**

* I can understand the concept of a ratio.
* I can use a ratio to describe the relationship between two quantities.
* I can use ratio and rate reasoning to solve real-world and mathematical problems.
* I can use a proportion to solve real-world and mathematical problems.
* I can make tables of equivalent ratios relating quantities with whole-number measurements and use them to compare.
* I can plot pairs of values on the coordinate plane to indicate a proportional relationship.
* I can solve unit rate problems, such as unit pricing and constant speed.
* I can use ratio reasoning to convert measurement units.
* I can find percent of a quantity as a rate per 100.
* I can solve real-world problems using ratios and percents.