WALLKILL CENTRAL SCHOOL DISTRICT

*Together We Can Make a Difference*

Last updated: **8/23/2023**

# 2023-2024 Grade 6 Mathematics: Quarter 3: Weeks 22- 32: Topics 5 & 6

| Options | Standards | Learning Targets | Text Next Generation Alignment | Supplemental Materials/Resources | Fluency | Vocabulary |
|---|---|---|---|---|---|---|
| | (1) CSDF.4-6.CT.1<br>(2) CSDF.4-6.CT.6<br>(2) CSDF.4-6.CT.8<br>(1) NY-6.RP.1<br>(1) NY-6.RP.2<br>(2) NY-6.RP.3 | **Topic 5**<br>Objectives:<br>-Use ratios to describe the relationship between two quantities<br>-Use bar diagrams and double number lines to model relationships<br>-Use multiplication and division to find equivalent ratios<br>-Use ratio tables to compare ratios<br>-Compare ratios to solve problems<br>-Represent equivlanet ratios on graphs<br>- Use rates to describe ratios with different units<br>-Use rates and unit rates to solve problems<br>-Use ratio reasoning to compare rates<br>-Use unit rates to compare constant speed<br>-Use ratio reasoning and conversion factors to convert customary units of measure<br>-Use ration reasoning and conversion factors to convert metric units of measure<br>-Use ratio reasoning and conversion factors to convert between customary and metric | **Topic 5**<br>5-1 Understanding Ratios<br>5-2 Generate Equivalent Ratios<br>5-3 Compare Ratios<br>5-4 Represent and Graph Ratios<br>5-5 Understanding Rates and Unit Rates<br>5-6 Compare Unit Rates<br>5-7 Solve Unit Rate<br>5-8 Ratio Reasoning: Convert Customary Units<br>5-9 Ratio Reasoning: Convert Metric Unit<br>5-10 Relate Customary Metric Units | **Topic 5**<br>***Use the state test reference sheet supplied to students for measurement conversions.***<br>Thinking Blocks Ratios<br>www.Brainpop.com videos:<br>• Proportions<br>• Percents<br>• Similar Figures<br>• Ratios<br>Similar Figures Printable(use after 5-3)<br>Similar Figures Practice<br>www.Ixl.com<br>Ratios Proportions and Percents<br>Math Virtual Manipulatives (to project to whole class)<br>Envision Online:<br>• Reteach<br>• Vocabulary Support<br>• Enrichment pages<br>• Build Math Literacy<br>• Visual Learning Animation<br>• 3 Act Math Video and Modeling<br>• Today's Challenge<br>Envision Concepts and Skills Review at the end of each topic<br>• Chapter review p. 335-338 .<br>**Games** | **Topic 5**<br>Fluency p. 339<br>IXL<br>Kahoots | **Topic 5**<br>• Double number line<br>• Equivalent ratios<br>• Similar figures<br>• Proportion<br>• Percents<br>• Rate<br>• Ratio<br>• Unit cost/price<br>• Unit rate<br>• constant speed<br>• Conversion factor |

Help

| Options | Standards | Learning Targets | Text Next Generation Alignment | Supplemental Materials/Resources | Fluency | Vocabulary |
|---|---|---|---|---|---|---|
| | (2) CSDF.4-6.CT.6<br>(2) CSDF.4-6.CT.8<br>(2) NY-6.RP.3 | **Topic 6**<br>- Represent the percent of a whole.<br>- Find the percent of a whole.<br>- Write equivalent values as a fractions, decimals, and percents.<br>- Write fractions as decimals and percents when the denominator of the fraction is not 100.<br>- Write percents that are greater than 100.<br>- Write percents that are less than 1.<br>- Estimate the percent of a number.<br>- Use the decimal form of a percent to find the percent of a number.<br>- Write an equation to solve a percent problem.<br>- Find the whole amount when given a part and the percent. | **Topic 6**<br>6-1 Understanding Percent<br>6-2 Relate Fractions, Decimals, and Percents<br>6-3 Represent Percents Greater than 100 or Less Than 1<br>6-4 Estimate to Find Percent of Number<br>6-5 Find the Percent of a Number<br>6-6 Find the Whole Given a Part and the Percent | **Topic 6**<br>www.Brainpop.com videos:<br>• Percent<br>• Proportions<br>www.Ixl.com<br>Percents<br>Envision Online:<br>• Reteach<br>• Vocabulary Support<br>• Enrichment pages<br>• Build Math Literacy<br>• Visual Learning Animation<br>• 3 Act Math Video and Modeling<br>• Today's Challenge<br>Envision Concepts and Skill Review located at the end of each chapter.<br>• Chapter review p. 390-392<br>**Games** | **Topic 6**<br>Fluency p. 393<br>IXL<br>Kahoots | **Topic 6**<br>• Percent<br>• Whole<br>• Rate<br>• Proportion<br>• Ratio<br>• Equivalent<br>• Convert<br>• Rename |