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|  | Whiteriver Unified School District | | Year at a Glance  2020-2021 | Grade 7 |
| Unit Name | Topic 1: Integers and Rational Numbers | Topic 2: Analyze and Use Proportional Relationships | Topic 3: Analyze and Solve Percent Problems | Topic 4: Generate Equivalent Expressions |
| Dates |  |  |  |  |
| Big  Ideas | **1.1-1.2: NS**  **\*Relate** integers to their opposites and absolute value  **\*Write** rational numbers as decimals  **1.3-1.5: NS**  **\*Add** integers  **\*Subtract** integers  **\*Add and Subtract** rational numbers  **1.6-1.10: NS**  **\*Multiply** integers  **\*Multiply** rational numbers  **\*Divide** integers  **\*Divide** rational numbers  **\*Solve** multi-step problems with rational numbers | **2-1 to 2-2 RP**  **\*Find** unit rate  **\*Compare** unit rate  **\*Solve** problems involving unit rate  **2.3-2-6 RP**  **\*Create** ratio tables  **\*Compare** ratios and unit rates  **\*Write** equations to represent proportional relationships  **\*Plot** points on the coordinate plane  **\*Explain** how y=kx describes a situation  **\*Interpret** graphs with proportional relationships  **\*Create** bar-diagrams | **3.1-3.6: RP**  **\*Understand** the relationship between parts, wholes and percent  **\*Find** percents, parts and wholes using proportions  **\*Use** the percent equation  **\*Solve** percent change problems  **\*Solve** markup and markdown problems  **\*Calculate** simple interest | **4.1-4.2: EE**  **\*Represent** real world situations with expression  **\*Combine** like terms to show equivalence  **4.3-4.5: EE**  **\*Rewrite** expressions in simplest form  **\*Expand** expressions  **\*Factor** expressions  **4.6-4.8: EE**  **\*Add** expressions  **\*Subtract** expressions  **\*Use** equivalent fractions to find new information |

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|  | Whiteriver Unified School District | | Year at a Glance  2020-20201 | Grade 7 |
| Unit Name | Topic 5:Solve Problems using Equations and Inequalities | Topic 6: Use Sampling to Draw Inferences about Populations | Topic 7: Probability | Topic 8: Solve Problems that involve Geometry |
| Dates |  |  |  |  |
| Big  Ideas | **5.1-5.3: EE**  **\*Represent** a problem with a two-step equation  **\*Solve** two step equations  **\*Use** the distributive property  **5.4-5.7: EE**  **\*Solve and Explain** inequalities  **\*Solve and Explain** two-step inequalities  **\*Solve and Explain** multi-step inequalities | **6.1-6.4: SP (supporting standards)**  **\*Decide** if a sample is representative of a population  **\*Draw inferences** from data  **\*Make** comparative inferences  **\*Extend** thinking for more accurate inferences | **7.1-7.4: SP (supporting standards)**  **\*Relate** probability to mathematical fairness  **\*Predict** outcomes using theoretical probability  **\*Describe** the difference between theoretical and experimental probability  **\*Create** models to represent situations involving probability  **7.5-7.7**: **SP (supporting standards)**  **\*Determine** outcomes of events  **\*Calculate** probabilities of compound events  **\*Use** models to represent real world events. | **8.1: G (supporting standards)**  **\*Use** scale drawings to find measurements  **8.2-8.3: G (supporting standards)**  **\*Draw** figures with given coordinates  **\*Draw** triangles with given conditions  **8.4: G (supporting standards)**  **\*Solve** problems with angle relationships  **8.5-8.6: G (supporting standards)**  **\*Describe** circles  **\*Find** area of circles  **8.7: G (supporting standards)**  **\*Describe** cross sections  **8.8-8.9: G (supporting standards)**  **\*Calculate** surface area  **\*Calculate** volume |