|  |
| --- |
| **Unit Plan** |
| **Unit Title: Chapter 6 Multiplication and Division Patterns****Essential Questions: What is the importance of patterns in learning multiplication and division?****Standards:**2.2.3.A.1 Represent and solve problems involving multiplication and division.2.2.3.A.2 Understand properties of multiplication and the relationship between multiplication and division.2.2.3.A.3 Demonstrate multiplication and division fluency. 2.2.3.A.4 Solve problems involving the four operations, and identify and explain patterns in arithmetic.2.1.3.B.1 Apply place value understanding and properties of operations to perform multi-digit arithmetic. **Summative Unit Assessment : Chapter Assessment test**

|  |  |
| --- | --- |
| **Summative Assessment Objective** | **Assessment Method (check one)** |
| Students Will- use patterns to learn multiplication and division | \_\_\_\_ Rubric \_\_\_ Checklist X\_\_\_\_ Unit Test \_\_\_\_ Group\_\_\_\_ Student Self-Assessment \_\_\_\_ Other (explain) |

 |

**Teacher Name : Sarah Rosato Subject : Math Proposed Dates: Grade Level (s) 3**

 **Building : Heights Terrace Morning Work: Time to the hr,1/2hr, 5 min, 1min / Times Tables 4 and 5 / Rhymes and Times Lesson 5 - 8**

|  |
| --- |
| **DAILY PLAN** |
| **Day** | **Objective (s)** | **DOK LEVEL** | **Activities / Teaching Strategies**  | **Grouping** | **Materials / Resources** | **Assessment of Objective (s)** |
| 1 | Students will-identify and explain patterns in a multiplication table | 2 | Math in my WorldGuided PracticeHands on Activity – each group with 4 different products | WS | Workbook pg 295-300Sheets for group workLamented tablesprojector | Formative-student predictions and responses. Group conversationSummative- Student Self - Assessment- |
| 2 | Students will-use arrays and drawings to multiply by 2 | 2 | Liturature “Moove Over!” by Karen BeilFlash card mix up | WS | Liturature bookFlash cardsWorkbook pg 301-304 | Formative--student predictions and responses. Group conversationSummative- Student Self - Assessment- |
| 3 | Students will-to use models and related multiplication facts to divide by 2 | 1 | Math in my World Talk MathGuided PracticeIndependent Practice | WI | Workbook pg. 307-310 | Formative-Summative- independent practiceStudent Self - Assessment- |
| 4 | Students will-same as above | 3 | Liturature- “Minnie’s Diner”By Dayle Ann DoddsPractice your 2’s poster | WSI | Liturature bookPosters | Formative---student predictions and responses. Group conversation.Summative- PosterStudent Self - Assessment- |
| 5 | Students will-use different strategies including patterns to multiply by 5  | 1 | Review time to the 5 min. clocks on projectorGuided practiceDirt Track Racer | WS | Workbook pg 319-322Game boardsMotorcycle cardsDiceProjectorclock | Formative-student responses.Summative- Student Self - Assessment- |
| 6 | Students will-solve problems by looking for a pattern | 1 | Learn the strategyPractice the strategyApply the strategyCheck you progress | WI | Workbook pg 325-326: 327-330Multiply and Divide maze | Formative-Summative- independent practiceStudent Self - Assessment- |
| 7 | Students will-use different strategies, including patterns to count by 10 | 1 | How much money? Dimes and 10 dollar billsMath in My worldIndependent Practice | WI | Chapter QuizWorkbook pg 333-33610 times table sheet | Formative-student responsesSummative- independent practiceTimes table sheetStudent Self - Assessment- |
| 8 | Students will-use basic facts and patterns to multiply a number by a multiple of 10 | 1 | Problem of the dayMath in my worldLearn Zillian video lesson 3.NBT.A.3Guided PracticeIndependent practice | WI | ComputerProjectorWorkbook pages 339-342 | Formative-student responsesSummative- independent practiceStudent Self - Assessment- |
| 9 | Students will-use different strategies related multiplication facts to divide by 10 | 1 | Model the MathGuided PracticeIndependent Practice | WI | Workbook pages 345-348 | Formative- student responsesSummative- independent practiceStudent Self - Assessment- |
| 10 | Students will-practice multiplication and division | 1 | Fluency PracticeConcept CheckReflect - Groups | IS | Workbook pages 351-353 | Formative-group participationSummative- Student Self - Assessment- quiz |
| 11 | Students will-use patterns to multiply and divide | 1 | Assessment Test | I | Test | Formative-Summative- Student Self - Assessment- Test |
| 12 | Students will- |  |  |  |  | Formative-Summative- Student Self - Assessment- |