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| **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**

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| **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 World  Guided Practice  Hands on Activity – each group with 4 different products | W  S | Workbook pg 295-300  Sheets for group work  Lamented tables  projector | Formative-student predictions and responses. Group conversation  Summative-  Student Self - Assessment- |
| 2 | Students will-use arrays and drawings to multiply by 2 | 2 | Liturature “Moove Over!” by Karen Beil  Flash card mix up | W  S | Liturature book  Flash cards  Workbook pg 301-304 | Formative--student predictions and responses. Group conversation  Summative-  Student Self - Assessment- |
| 3 | Students will-to use models and related multiplication facts to divide by 2 | 1 | Math in my World  Talk Math  Guided Practice  Independent Practice | W  I | Workbook pg. 307-310 | Formative-  Summative- independent practice  Student Self - Assessment- |
| 4 | Students will-same as above | 3 | Liturature- “Minnie’s Diner”  By Dayle Ann Dodds  Practice your 2’s poster | W  S  I | Liturature book  Posters | Formative---student predictions and responses. Group conversation.  Summative- Poster  Student Self - Assessment- |
| 5 | Students will-use different strategies including patterns to multiply by 5 | 1 | Review time to the 5 min. clocks on projector  Guided practice  Dirt Track Racer | W  S | Workbook pg 319-322  Game boards  Motorcycle cards  Dice  Projector  clock | Formative-student responses.  Summative-  Student Self - Assessment- |
| 6 | Students will-solve problems by looking for a pattern | 1 | Learn the strategy  Practice the strategy  Apply the strategy  Check you progress | W  I | Workbook pg 325-326: 327-330  Multiply and Divide maze | Formative-  Summative- independent practice  Student Self - Assessment- |
| 7 | Students will-use different strategies, including patterns to count by 10 | 1 | How much money? Dimes and 10 dollar bills  Math in My world  Independent Practice | W  I | Chapter Quiz  Workbook pg 333-336  10 times table sheet | Formative-student responses  Summative- independent practice  Times table sheet  Student Self - Assessment- |
| 8 | Students will-use basic facts and patterns to multiply a number by a multiple of 10 | 1 | Problem of the day  Math in my world  Learn Zillian video lesson 3.NBT.A.3  Guided Practice  Independent practice | W  I | Computer  Projector  Workbook pages 339-342 | Formative-student responses  Summative- independent practice  Student Self - Assessment- |
| 9 | Students will-use different strategies related multiplication facts to divide by 10 | 1 | Model the Math  Guided Practice  Independent Practice | W  I | Workbook pages 345-348 | Formative- student responses  Summative- independent practice  Student Self - Assessment- |
| 10 | Students will-practice multiplication and division | 1 | Fluency Practice  Concept Check  Reflect - Groups | I  S | Workbook pages 351-353 | Formative-group participation  Summative-  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- |