MP2b-Use Strategies & Properties To Divide By 1-Digit Divisors

Content Area: **Mathematics**
Course(s): **Math 4 Resource Room**
Time Period: **Marking Period 2**
Length: **MP2 Topic 5 5-1 to 5-10**
Status: **Published**

Essential Questions

- How can mental math be used to divide?
- How can quotients be estimated?
- How can the steps for dividing be explained?

Big Ideas

- **Division by 1-Digit Numbers:** The algorithm for dividing by 1-digit numbers is using models to divide by a 1-digit divisor, introducing remainders when necessary.
- **Solve One-Step Problems:** Students will use division to solve problems involving whole numbers.

Technology Integration

8.1.5.A.1 Select and use the appropriate digital tools and resources to accomplish a variety of tasks including solving problems.

Activity:
Students will work independently in the IXL program to answer questions about division. The specific skills in IXL related to this standard are E4 - E15. The program will track students progress on these skills.

Cross-Curricular Integration

Integration Area: Language Arts

W.2.4.E Provide a concluding statement or section related to the information or explanation presented.

Activity:

Students create a division winter word problem. They will write a paragraph including a scenario and question to solve involving division. They type up their problem with the solution at the bottom along with the answer to the question.

Enduring Understandings

Operations and Algebraic Thinking

4.OA.A.3 Solve multistep word problems posed with whole numbers and having whole-number answers using the four operations, including problems in which remainders must be interpreted. Represent these problems using equations with a letter standing for the unknown quantity. Assess the reasonableness of answers using mental computation and estimation strategies including rounding.

Number and Operations in Base Ten

4.NBT.B.6 [M] Find whole-number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

Mathematical Practices Focus

4. Model with mathematics.