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

Content Area: Mathematics<br>Course(s): Math 4 Resource Room<br>Time Period: Marking Period 2 Length: MP2 Topic 5 5-1 to 5-10<br>Status:<br>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. $6[\mathrm{M}]$ 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.
