

# 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.

## CSDT 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.