

# P.Cert.Gr.5 My Math Unit 4: Division

Content Area: **Math**  
Course(s):  
Time Period: **December**  
Length: **4-6 Weeks**  
Status: **Published**

## Unit Overview

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This unit explores strategies used in division.

## Enduring Understandings

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It is important to remember and apply certain strategies when dividing numbers.

## Essential Questions

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What strategies can be used to divide whole numbers and work with quotients?

## Instructional Strategies & Learning Activities

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### Chapter 4

#### Pacing Guide

##### Suggested Pacing

Instruction	6 days
Review/Assessment	2 days
Total*	8 days

\*Includes additional time for remediation and differentiation.

**Lesson**

**Objective**

**Material &  
Manipulatives**

**Vocabulary**

Lesson 1 pp. 251-256  
**Estimate Quotients**

Estimate quotients with two-digit • index cards  
divisors.

*All of the vocabulary  
this chapter are review  
words.*

Lesson 2 pp. 257-262  
**Hands On: Divide Using Base-Ten  
Blocks**

Explore dividing by twodigit • base-ten  
divisors using models. blocks

Lesson 3 pp. 263-268  
**Divide by a Two-Digit Divisor**

Divide up to a three-digit number  
by a two-digit divisor.

**Check My Progress**  
Lesson 4 pp. 271-276  
**Adjust Quotients**

Adjust the quotient when the • counters  
estimated digit is too high or too  
low.

Lesson 5 pp. 277-282  
**Divide Greater Numbers**

Divide greater numbers by multi- • centimeter  
digit divisors. cubes

Lesson 6 pp. 283-288  
**Problem-Solving Investigation: Solve a  
Simpler Problem**

Solve problems by solving a  
simpler problem.

## **Integration of 21st Century Themes and Career Exploration**

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Students will work in cooperative groups to solve problems. Students will interact with the Smartboard to enhance the learning process.

CRP.K-12.CRP2	Apply appropriate academic and technical skills.
CRP.K-12.CRP5	Consider the environmental, social and economic impacts of decisions.
CRP.K-12.CRP4	Communicate clearly and effectively and with reason.
CRP.K-12.CRP11	Use technology to enhance productivity.
CRP.K-12.CRP9	Model integrity, ethical leadership and effective management.
CRP.K-12.CRP8	Utilize critical thinking to make sense of problems and persevere in solving them.
CRP.K-12.CRP1	Act as a responsible and contributing citizen and employee.
CRP.K-12.CRP12	Work productively in teams while using cultural global competence.

## **Technology Integration**

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Students will interact with the Smartboard to enhance the learning process. Students will use various web-based, interactive sites to expand the content, as needed.

## **Interdisciplinary Connections**

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Students will read and write throughout the entire unit.

LA.RL.5.4	Determine the meaning of words and phrases as they are used in a text, including figurative language such as metaphors and similes.
LA.RI.5.10	By the end of year, read and comprehend literary nonfiction at grade level text-complexity or above, with scaffolding as needed.
LA.RF.5.4	Read with sufficient accuracy and fluency to support comprehension.
LA.RF.5.4.A	Read grade-level text with purpose and understanding.
LA.RI.5.4	Determine the meaning of general academic and domain-specific words and phrases in a text relevant to a grade 5 topic or subject area.

## **Differentiation**

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Differentiation:

- Use of different resources to match the readiness levels of the students when working on the activities in the daily lessons.
- Respond to students' needs for reteaching, reinforcing, and extending learning.
- Use of a variety of instructional strategies to engage students in learning.
- Question prompts to promote student engagement
- Small group settings as needed for specific skills
- Use discussion to promote collaboration among students

- Integrate technology to offer varied learning experiences
- Adjust instruction based on formative tasks/assessments

## **Modifications & Accommodations**

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Modifications & Accommodations:

- In class support and scaffolding based on the individual IEP's
- Independent levels on My Math and Splash Math

## **Benchmark Assessments**

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Students will complete AimsWeb testing.

## **Formative Assessments**

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Formative Assessments:

- Task completion
- Answers and discussions
- Student maps
- Bingo
- Quizzes
- Participation

## **Summative Assessments**

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Summative Assessments:

- Quizzes
- Final Test

## **Instructional Materials**

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My Math Textbook series grade 5

See materials in lessons above

## Standards

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MA.5.NBT.B.6

Find whole-number quotients of whole numbers with up to four-digit dividends and two-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.