Unit 5 - Multiply with Two-Digit Numbers

Content Area: **Mathematics**
Course(s):
Time Period: **November**
Length: **3-4 weeks**
Status: **Published**

Unit Overview

Unit 5 connects with the theme of Animals in My World, which centers around animals, such as hummingbirds, hamsters, coyotes, sea turtles, caribou, and desert locusts. Students learn the different aspects of multiplication, and that equations are often used to represent real-world situations and solve problems arising in everyday life. Students interpret their solutions in the context of the situation and determine whether the results make sense.

Essential Questions

"How can I multiply by a two-digit number?"

Content

Multiply by Tens

Estimate Products

Hands On: Use the Distributive Property to Multiply

Multiply by a Two-Digit Number

Solve Multi-Step Word Problems

Problem-Solving Investigation: Make a Table

Skills

Use properties and algorithms to multiply by tens.

Estimate products by rounding.

Explore multiplying by two-digit numbers.

Multiply two, two-digit numbers.

Use multiplication to solve multi-step word problems.

Solve problems by making a table.

Assessments

Online Readiness Quiz

Vocabulary Check

Concept Check - Check My Progress

Chapter Test

Teacher Observation

Lessons/Learning Scenarios

MyMath Grade 4

Chapter 5: Lessons 1-6

Standards

CCSS.Math.Content.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.
CCSS.Math.Content.4.NBT.A.3	Use place value understanding to round multi-digit whole numbers to any place.
CCSS.Math.Content.4.NBT.B.4	Fluently add and subtract multi-digit whole numbers using the standard algorithm.
CCSS.Math.Content.4.NBT.B.5	Multiply a whole number of up to four digits by a one-digit whole number, and multiply two two-digit numbers, using strategies based on place value and the properties of operations. Illustrate and explain the calculation by using equations, rectangular arrays, and/or area models.

Resources

MyMath Grade 4: McGraw-Hill (2012)

- masking tape
- number cubes
- index cards
- colored pencils
- graph paper
- base-ten blocks

- connecting cubes