Creo College Prep

Introduction to 5th Grade Math
Back to School Night

2022 - 2023

Our Curriculum

In 5th grade we use Eureka Math to ensure students master the fifth grade standards and are set up for success for sixth grade. In 5th grade, students extend previous understandings of whole numbers, fractions, and decimals to explain relationships and computation strategies. They apply this work to solve problems in geometric and measurement contexts.

Overview of Our Year

Module	Topic	When is the unit covered?
Module 1	Place Value Concepts for Multiplication and Division with Whole Numbers **(see back for more details)**	September-October
Module 2	Addition & Subtraction with Fractions	October-November
Module 3	Multiplication & Division with Fractions	December-January
Module 4	Place Value Concepts for Decimal Operations	January-February
Road to State		March-April

What to Expect

Homework: Homework assignments will be given every day and should take no more than 15 minutes to complete. Each assignment will allow students to demonstrate mastery of that day's lesson objectives. Please ask your student what topics are being covered and homework that is being given in class every day.

Multiplication Facts: Our goal is to have all students know their multiplication facts up to the 12s table by the end of October. Please practice with your student *every night* to help them reach this goal.

Tips for Student Success

We believe that every student can achieve success in math when they are met where they are. Students meet their math goals when they: (1) follow class expectations, (1) actively participate and take risks, (3) show their work on every problem with a **mathematician's plan**, and (4) ask questions that push their thinking.

Module 1

Place Value Concepts for Multiplication and Division with Whole Numbers

BEFORE 5TH...

Students learned to:
- ❖ Read, write, compare. and round multi-digit whole numbers to millions
- ❖ Students multiply and divide whole numbers(4 digits by 1 digit)

Key Vocabulary

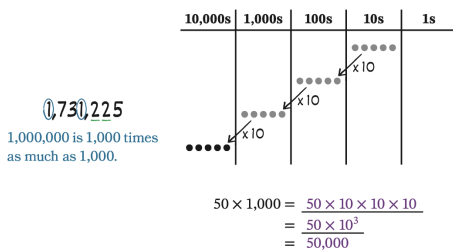|	
exponent	An exponent represents how many times the same number is used as a factor.
dividend	**For example, in the expression 18 ÷ 3, the dividend is 18.**
exponential form	A number with an exponent is in exponential form
power of 10	A number that can be written as a product of 10s, or as a 10 with an exponent, is a power of 10. 100 is a power of 10.

Teacher Contact

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Additional Resources

Google Classroom	Khan Academy	*Freckle*

Topic Overview

Topic A: Place Value Understanding for Whole Numbers

$1,731,225$

1,000,000 is 1,000 times as much as 1,000.

$50 \times 1,000 = \underline{50 \times 10 \times 10 \times 10}$
$= \underline{50 \times 10^3}$
$= \underline{50,000}$

Strategies

- ➤ PV Chart
- ➤ Counter
- ➤ Area Model
- ➤ Partial Product
- ➤ Partial Quotient
- ➤ Standard Algorithm

Topic B: Multiplication of Whole Numbers

	400	20	7
2	800	40	14
50	20,000	1,000	350

$$427 \times 52$$

Topic C Division of Whole Numbers

$926 \div 23$

Area Model

Quotient: 40
Remainder: 6

$926 \div 23$

Area Model

$926 - 920 = 6$
Quotient: 40
Remainder: 6

Vertical Form
Estimates:
$900 \div 30 = 30$
$230 \div 23 = 10$
Quotient: 40
Remainder: 6

Topic D Multi-Step Problems with Whole Numbers
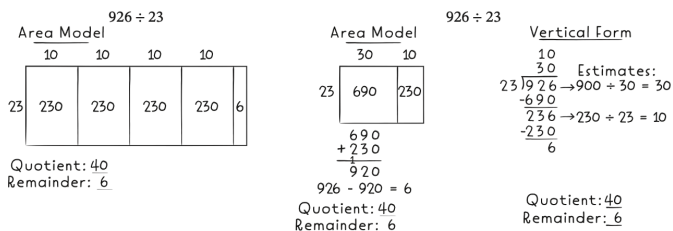
3 times the sum of 15 and 25

15 + 25	15 + 25	15 + 25

?

$3 \times (15 + 25)$

$(26 - 8) \div 2$

There are 26 people at the park. 8 people go home. The rest of the people make 2 equal groups to play a game. How many people are in each group?

$(26 - 8) \div 2 = 18 \div 2 = 9$

There are 9 people in each group.

Assessments	Topic A	Topic B	Topic C	EOM	Interim

Exit Ticket

877,487

Explain how the digit in the **hundred thousands place** is related to the digit in the **tens place**.

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Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones