

Unit Title: Mutli-Digit Number Multiplication

Grade Level: 4

Subject Area: Math

Duration/Length/Number of class periods: 5 class periods

Description:

We will work to develop the skills needed to do multidigit multiplication with ease and fluency. We will start the year with review and mastery of basic multiplication facts. We will then develop skills for 2 digit by 2 digit multiplication and real world application. Students will initially work in pairs and then develop skills to work independently.

Established Goals (National, State, Local):

4.1.1.3 Demonstrate mastery of multiplication and division basic facts; multiply multi-digit numbers; solve real-world and mathematical problems using arithmetic. Multiply multi-digit numbers, using efficient and generalizable procedures, based on knowledge of place value, including standard algorithms.

What Enduring Understandings are desired?

The student will be able to do multi-digit multiplication independently.

The student will be able to find real world examples of how they can use multi-digit multiplication.

They then will be able to use the real world examples and complete the problems accordingly.

The student will have the confidence to move forward independently and cooperatively solving multi-digit multiplication with ease.

What Essential Questions will be considered?

Why is the purpose for learning multi-digit multiplication?

How do we use multiplication in the real world?

What problem solving strategies can we use when doing 2 digit multiplication?

Students will know / be able to:

They will be able to do multi-digit multiplication . They will be able to explain real life situations people use multi-digit multiplication.

Cooperatively students will be able to solve problems that require some higher level thinking and mutli steps.

Description	F o r m a t i v e	S u m m a t i v e	Intro du ct o r y A c t i v i t y	L e a r n i n g A c t i v i t y	Stu dent Tech nolo gy Use d	Teach er Tech nolog y Used	ISTE Stand ards
<p>Day one: Introductory Activity will be turtle head math video : https://www.youtube.com/watch?v=1hcKERTnNiQ We will do some problems in a big group and then do some in small groups. Homework we will then interview parents as homework to find out where they use multidigit multiplication in the real world and share the next day. I will share this on seesaw to parents to remind them.</p>	x		x	x	x	x	1 C,D
<p>Day 2: We will begin the day with a review of the turtle head math video. They will each make a flipgrid video of how their parents use multiplication (2 minute time limit.) We will then divide in small groups and practice using two digit by 2 digit multiplication. WORKSHEET with a small group: https://www.education.com/worksheet/article/2-digit-multiplication-1/. Students will complete the last three problems on their own. We will end the lesson with watching all the kids flip grid videos on how their parents use multiplication.</p>	x			x	x	x	3C
<p>Day 3: Students will start by doing two digit multiplication on IXL. Once students hit 70 percent mastery. Once all students have mastery at least 70 percent we will do a group kahoots.</p>	x			x	x	x	1BCD

https://create.kahoot.it/search?filter=1&query=Multiplication%20%20digit&tags=Multiplication%20%20digit .						
<p>Day 4:</p> <p>Start the day with assigned partners by looking at how well they did on IXL.</p> <p>https://jeopardylabs.com/play/2-digit-by-2-digit-multiplication</p> <p>This is a very fun group game that students can do in teams. This will naturally introduce story problems.</p> <p>We will end the day with an exit ticket for 2 by 2 multiplication.</p> <p>https://docs.google.com/document/d/1QK9f1aIWq1AD7Q-Akgjs_9L-Gj7l7okQd_zGDenJ2qM/edit</p>	x	x		x	x	6A
<p>Day 5:</p> <p>Must get 80 percent right in order to take google assessment on standard</p> <p>https://www.pinterest.com/pin/351351208402368708/</p> <p>Math Assessment day after practice page.</p>		x				5D 1A

Materials, tools and resources: Kahoots, Jeopardylabs, Youtube, Pinterest, See saw, Flip Grid, Paper, Pencil, Computer, Graphing paper
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Additional credit given to: