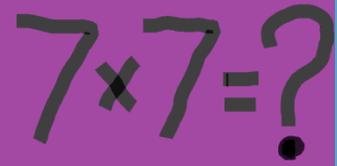


Math Practice

4th Grade



7x7=?

Overview

This lesson will help students to know and remember their multiplication facts. Songs are a great way for students to remember information. This lesson teaches multiples of 7, but can be adapted to any number. They will learn what they already know and what multiplication they need to work on after finishing the worksheet. They will learn it even better by helping their fellow classmates on crocodoc.com by editing/leaving post-it notes on each other's worksheets

Objectives

1. Do the students will know their multiplication facts 7×0 through 7×9 ?
(7×0 , 7×1 , 7×2 , 7×3 , 7×4 , 7×5 , 7×6 , 7×7 , 7×8 , 7×9)
2. Can they complete a worksheet with the 7 multiplications without help?

Materials

- Multiplication flash cards for above facts Copies of words to the song "Times Facts"
- Worksheet of multiplication problems: 7×0 , 7×1 , 7×2 , 7×3 , 7×4 , 7×5 , 7×6 , 7×7 , 7×8 , 7×9
- Computer with Internet

Procedure

1. The teacher holds up a set of flash cards and begins to go over the multiplication facts of seven with the class.
2. She/he stops and says, "We can try to memorize our sevens this way, but I have a better idea. I know a song that can help you learn these facts."
3. The teacher passes out the song "Times Facts" to the class and sings the chorus once by herself to the class (sung to the tune of "Skip to My Lou")
4. The teacher then has the class sing the chorus with her using the echo method
5. The teacher than sings the first verse with the class using the echo method
6. Once the class gets the tune, the teacher will continue the song verse by verse, with the chorus sung between each verse.
7. The students will then split up into groups of 2-4 students.
8. The teacher will pass out copies of the song with the 3rd and 4th lines of each verse omitted.
9. Within their groups the students will come up with their own

Standards

Evaluation

rhyming verses to help them remember their multiplication facts of 7.

10. After the students have worked in their groups for about 15-20 minutes on writing their own verses to the song, have them quiz each other on the facts of seven and encourage them to use their songs to help them figure out the answer.¹

11. Students will complete a worksheet online and submit it to Crocodoc.com²

12. They will share their URL with two other students, and receive URL's from two other students.

13. Students will go to their received URLs and check the uploaded worksheets for errors.

14. Students will use Crocodoc's editing tools to leave comments and potential help on their peers' worksheets.

4.2.4

Demonstrate mastery of the multiplication tables for numbers between 1 and 10 and of the corresponding division facts.

4.2.5

Use a standard algorithm to multiply numbers up to 100 by numbers up to 10, using relevant properties of the number system.

4.2.7

Understand the special properties of 0 and 1 in multiplication and division.

The students will learn the multiplication facts 7x0 through 7x9 "Times Facts"

(Sung to the Tune: "Skip to My Lou")

Chorus: Times facts, they're a breeze

Learn a few then work on speed Times facts, you'll be surprised

By just how fast you can memorize

Verse 1: 2 times 7 is fourteen

Just wait these answers will get mean

3 times 7 is 21

Now at last we've just begun

Chorus

¹Adapted from <http://www.k6edu.com/4thgrade/math/multiplication-facts-7x.html>

² <http://www.crocodoc.com>

Verse 2: 4 times 7 is 28
Let's sing what we appreciate
5 times 7 is 35
Yes, by gosh, we're still alive
Chorus³

Students will be evaluated on how many mistakes they found on Crocodoc, as well as whether or not the corrections they made were necessary and correct.

³Adapted from <http://www.k6edu.com/4thgrade/math/multiplication-facts-7x.html>