

TITLE: GIMME THE FACTS!!!

Materials: KleenSlate Dry-Erase Paddle with Markers and Erasers

GRADE LEVEL/SUBJECT: Appropriate for grades 2-6  
Mathematics computation.

OVERVIEW: The teaching and learning of mathematics is facilitated by the development of a definite task analysis. Each skill builds upon the previous skills learned. Therefore, knowing all multiplication facts will help in the learning of subsequent skills in hard multiplication, division, fractions, etc.

PURPOSE: To help all students systematically learn their times tables.

ACTIVITIES AND PROCEDURES:

1. Check to see that all students know their 0's,1's,2's,5's,10's,11's--drill on these, have students use the KleenSlate dry erase paddles to show that they have these down. Teacher notes students that are not getting it and breaks them into appropriate groups.

Show students how to count 5's on their fingers. After several days of practice using the KleenSlate Paddles, give a 2 or 3 minute timed test on these facts. Keep giving the test, each day, until all (or most) students pass. When all students pass,celebrate with treats, an extra recess, pop corn, etc. Keep the papers of the students who pass, showing their best times.

2. Teach the 3 times tables. Students use hands to count out "0,3,6,9,12,15,18,21,24,27,30". Drill on these each day. Students say the 3's when they come in to class, when they go out from class, etc. **THEY ALL CAN DO THIS.**

DRILL DAILY with KleenSlate dry erase paddles!!  
Conduct a 3 and 9 times table timed test. Make it a 2 or 3 minute test. (as previously done). Students try to pass - and then beat - their old score. Partner up kids who pass with those who need to pass. Each day have a "2-minute test your partner" time using the KleenSlate paddles. Celebrate if/when all pass.

5. Teach the facts that rhyme:  
 $6 \times 6 = 36$ .... $6 \times 4 = 24$     $6 \times 8 = 48$   
Sing them, rap them, say them, etc.

6. Teach these poems, which the kids love:  
 $7 \times 7$  is 49, you are cool, you are fine!!!  
 $8 \times 8$  is 64, close your mouth and shut the door!!!  
(Some kids will make up their own poems!)

7. Teach "5,6,7,8" ..... $56 = 7 \times 8$

8. Once students learn the 0's,1's,2's,5's,10's,11's,3's,and 9's, the only

facts left are:

$4 \times 4 = 16$        $6 \times 6 = 36$        $7 \times 7 = 49$   
 $4 \times 6 = 24$        $6 \times 7 = 42$        $7 \times 8 = 56$   
 $4 \times 7 = 28$        $6 \times 8 = 48$        $8 \times 8 = 64$   
 $4 \times 8 = 32$

Students have only 10 facts left to learn!!! 7 of these facts have raps, rhymes, etc. to facilitate learning. These 10 remaining facts go on flash cards. Each child has 2 sets of cards -- one for home and one for school. Run these last facts on construction paper. Kids put the answers LIGHTLY on the back of each card. Check the cards to make sure the correct answer has been written. Give each child an empty audio cassette plastic box to hold the cards. Now PRACTICE, PRACTICE, PRACTICE with the KleenSlate Paddles here – use as flash cards in groups.

9. The ultimate activity is the 5 minute timed test. This equals 80+ facts. When making this test, put the harder facts near the top and make the last 2 rows easy. This test is taken daily, with kids first passing the test (you check the tests and announce those who passed the next day), and then students try to beat their old scores (you read the old score, at the end of test time and if the child has passed that time, you collect their paper to be corrected). Certificates and treats go out to students who pass the test. Also, the top ten students with the fastest scores should be recognized. The class goal is for all students to pass this 5 minute timed test. This is a class goal, and when all students pass, YOU CELEBRATE!! Play a game on the KleenSlate dry erase paddles as a fun activity/reward.

#### TYING IT ALL TOGETHER:

There is a great deal of success built into this task analysis for times tables. This entire process has been used successfully with 3rd graders and 5th graders. Students are able to learn hard multiplication, division and fractions because they knew the facts!!!