



MATH & MOVEMENT™

© Copyright 2009 Actuarial Consulting and Teaching Services, Inc.

www.mathandmovement.com



Because learning math
can be fun!

Welcome to

Math and Movement

*Developed by
Suzy Koontz*

Student 1

She is an upcoming fourth grader who was able to skip count by 2s, 5s, and 10s. She has been known to have difficulty retaining what was taught so our only goal was to skip count by 3s and learn those multiplication facts.

PRE TEST

Hop By 3's	Answered:	Out Of:
<i>Two Minute Time Frame</i>	2	45



POST TEST

Hop By 3's	Answered:	Out Of:
<i>Two Minute Time Frame</i>	33	45

Student 2

He is a rising fifth grader who has fine and gross motor weaknesses. He could skip count by 5's and 10's, but had trouble with 2's, 3's, and 4's. His endurance increased as well as his ability to skip count by 2's and 4's.

Pretest

Hop By 10's	Correctly Answered: 24	Out Of: 45
Hop By 100's	Correctly Answered: 15	Out Of: 45
Hop By 2 's	Correctly Answered: 9	Out Of: 45
Hop By 3's	Correctly Answered: 15	Out Of: 45
Hop By 4's	Correctly Answered: 10	Out Of: 45



Post Test

Hop By 10's	Correctly Answered: 35	Out Of: 45
Hop By 100's	Correctly Answered: 24	Out Of: 45
Hop By 2 's	Correctly Answered: 20	Out Of: 45
Hop By 3's	Correctly Answered: -	Out Of: 45
Hop By 4's	Correctly Answered: 21	Out Of: 45

Student 3

Going into fourth grade this school year.

Goal: Improve her fluency in her 4's, 6's and 8's.

Pretest

Hop By 4's	Answered: 12	Out Of: 45
Hop By 6's	Answered: 12	Out Of: 45
Hop By 8's	Answered: 10	Out Of: 45



Post Test

Hop By 4's	Answered: 15	Out Of: 45
Hop By 6's	Answered: 23	Out Of: 45
Hop By 8's	Answered: 24	Out Of: 45

Hop By 10's	Answered: 19	Correctly Answered: 16	% Correct: 84%
Hop By 2's	Answered: 2	Correctly Answered: 1	% Correct: 50%
Hop By 3's	Answered: 11	Correctly Answered: 6	% Correct: 54%
Hop By 4's	Answered: 3	Correctly Answered: 1	% Correct: 33%

The student could:

- Skip Count by 2's
- Whisper Count by 3's
- Apply strategy of counting on fingers to find products, given time.

Goal:

To grow in fluency and speed of counting by 2's and 3's.



The student after camp can:

- Recall multiplication facts for 2's
- Skip count by 3's to 36 fluently
- Complete over ten 2's and 3's facts in a little over 1.5 minutes.

Hop By 10's	Answered: 21	Correctly Answered: 21	% Correct: 100%
Hop By 2's	Answered: 11	Correctly Answered: 11	% Correct: 100%
Hop By 3's	Answered: 13	Correctly Answered: 13	% Correct: 100%
Hop By 5's	Answered: 13	Correctly Answered: 13	% Correct: 100%

Student 4

What is our Take-Away?

Teacher 1: The repetitive movement and rhythm caused my student to retain math facts.

Teacher 2: It reinforced the importance of movement and crossing midline to enhance learning.

Teacher 3: The rhythm of the movements help students to have more automaticity with math.

Teacher 4: Whisper Louds and Skip Counts are great warm-ups for the brain.