

HOW TO IMPLEMENT THE MATH PUSH-UPS BOOKS

ADULT PREVIEW:

1. Read the OVERVIEW page, the first page in the front of each book..
2. Preview the seven BLUE INSTRUCTION PAGES in the front of each book.
3. Watch the video: www.tutorialcenteraugusta.com
4. Become a Math Push-Ups expert before you introduce it to your student/s. It's not hard to do!

INTRODUCTION WITH STUDENT/S

Day One: (about 20 minutes)

1. Pass out book with sand timers and let them play as YOU go around and label each student's materials with an indelible marker. Label Everything:
 - Two sand timers, the dry erase marker, the tear-out Study Mat from the book, and the plastic slip cover
 - Students will need scissors, two zip lock sandwich bags, some large paper clips, a large zip lock bag or box in which to store their book and materials.

Day Two: (about 20 minutes)

1. Read Overview Page and Dear Student Letter out loud together
2. Have student/s complete the One Minute Pre Assessment.
 - Read aloud and follow the assessment's directions
 - Score and record the # of correct facts attained by student on his/her Student's Record Sheet.
3. Read aloud directions to **Part I** Learning Tips page. Don't let students begin work on the page yet.
 - Emphasize that all pages must be completed from left to right, from top to bottom.
 - Discuss and emphasize the importance of always circling the facts the student finds "hard" to do or the facts that takes the student a long time to complete **as he/she completes** the Learning Tips page.
4. **Part I** *NOW* let students complete their Learning Tips page.
 - Walk around as students work. Remind them to circle their hard or slow facts.
 - Emphasize that it's important to circle the whole fact.
 - Correct this Tips page tomorrow.

Day Three (20 minutes)

1. Discuss with students how to most efficiently self correct.
 - Have students ---fold—the page up at the fold line
 - Teach them to point with their pencil to the answers they have put on their Tips page.
 - Tell them to touch the answers on the Answer Key with their other hand
 - Emphasize that they will circle any fact they answered incorrectly, erase the answer, and then fill the correct answer in.
 - Tell students to leave the circles around their facts. The circles identify which facts they will study
2. Have students tear out their STUDY MAT
 - Make sure their name is on their Mat
 - Read the directions of the Five Finger Study Plan on the back of the Study Mat aloud together.
 - Discuss the five steps together. Demonstrate counting each step by using fingers.
 - **Coach** and **supervise** students as they learn to use the plan.
 - Tell students to slide their study mat between their book's back pages for storage. (See Operational Procedures page 1)

Day Four: (about 20 minutes)

Students complete **Part II** the Practice Worksheet.

- Teach students to pull their plastic slip cover up and over the Practice Worksheet.
- Emphasize that students must **routinely circle** their hard or slow facts as they complete their Practice Worksheet.
- Review the self-correction process again.
- Have students take out their Study Mat.
- Review and help students practice using the Five Finger Study Plan as they study their circled facts.

Day Five: Part III Fact Cards directions for the **Addition and Subtraction Book** (about 20 minutes)

1. Students tear out and cut apart the blue Fact Cards
 - Emphasize accuracy in cutting. Irregularly cut cards are difficult to flip fast
2. Teach students to numerically order and organize fact cards-see “Operational Procedures” page 2.
3. Help students learn to hold and flip cards efficiently-see “Operational Procedures” page 2.
4. Let students flip their numerically ordered Fact Cards while they race their ONE MINUTE sand timer.

Students play the **Mini Match ‘Em Game** (see Operational Procedure page 3), after they can correctly answer all Fact Cards in ONE MINUTE.

Day Six: Using the Study Mat with the **Addition and Subtraction Book**

1. Reread aloud the Five Finger Study Plan on back of Study Mat aloud together.
 - Discuss, demonstrate, and provide practice time again.
 - Help students decide which of their facts are slow. Teach them to always put their slow or wrong facts on the Hard side.
 - Emphasize and help them practice the Five Finger way to study their Hard facts.
2. The Study Mat will prepare them to beat their 30 second timer.
3. An adult watches the student correctly flip his/her Fact Cards in 30 seconds. The adult signs the Student’s Record Sheet when the student has achieved success.

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Day Five: Part III How to do both Fact Card sets for the **MULTIPLICATION AND DIVISION BOOK** (about 20 minutes).

1. Tear out and cut apart the 12 Multiplication Fact Card page.
2. Stack the 12 cards, in random order-see Operational Procedures page 3.
3. Use the Study Mat to learn to flip multiplication cards in ONE MINUTE. Paper clip card set.

Day Six: Using the Study Mat (about 20 minutes)

- Discuss, demonstrate, and provide practice time on how to use the study mat again.
- Help students decide which of their facts are slow. **Teach them** to always put their slow or wrong facts on the Hard side of the mat.
- Emphasize and help them practice the correct way to study their Hard facts.
- Tell students that using the Study Mat will prepare them to beat their 30 second timer.

4. Next, cut apart learn to correctly answer all 12 Division Fact Cards in one minute. Paper clip this fact card set, too.

- After beating the ONE MINUTE timer with both sets of cards, the student is ready to play the **Mega Match ‘Em game.**

GAME’ GOAL: to match the multiplication fact cards to their related division fact cards in one minute. See Operational Procedures page 4.

Day Seven PART IV The Timed Worksheet (about 20 minutes)

1. Pull the re-usable plastic slip cover up and over the Timed Worksheet.
2. **GOAL:** Student will complete the timed Worksheet in one minute with one or no mistakes as an adult watches.
3. Adult corrects the Timed Worksheet. Answer Keys are in back of book.
4. Student will restudy the Practice Worksheet and Fact Cards if unable to pass the Timed Worksheet.
5. Adult signs the Student Record Sheet when student’s goal is achieved.

The Addition & Subtraction student and the Multiplication & Division student is ready to begin the next lesson after:

1. **Beating the 30 second timer with each set of Fact Cards.**
2. **Completing the Timed Worksheet in one minute with one or no mistakes.**

See page 5 of Operational Procedures to learn about and implement the motivational
FLIP IT! GAME.