WELCOME!

I'm so glad you're here!

Hi there! My name is Aly, but my favorite people call me Mrs. Franklin! I am a middle school resource room teacher in Michigan. I spend my time teaching special education math intervention classes, cotaught math intervention classes, and coteaching 6th, 7th, and 8th grade math classes!

My goal with creating Middle School in the Mitten was to share engaging and time saving resources and ideas with busy, world changing teachers like you! All of the activities that are found in my Teachers Pay Teachers store were created for and used with my own students. In fact, I began my TPT journey in 2017, when I shared my first few sets of digital task cards that I was creating for my caseload students!

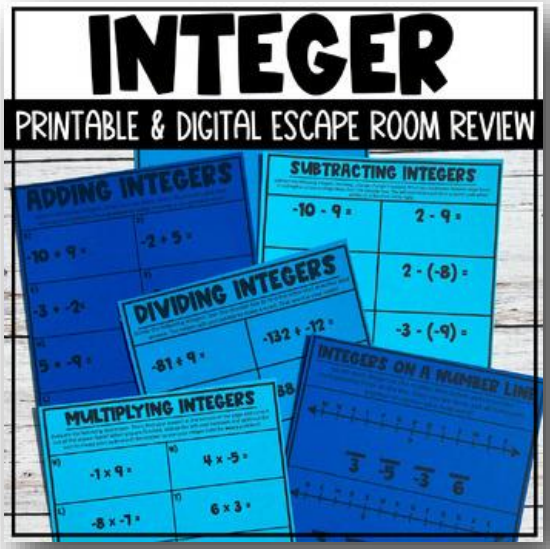
Thank you for your download! I created this integer rule page as a reference for my students in my math intervention classes and it can be a game changer! I print it on colorful cardstock with a multiplication chart on the back, and we use it all year long!

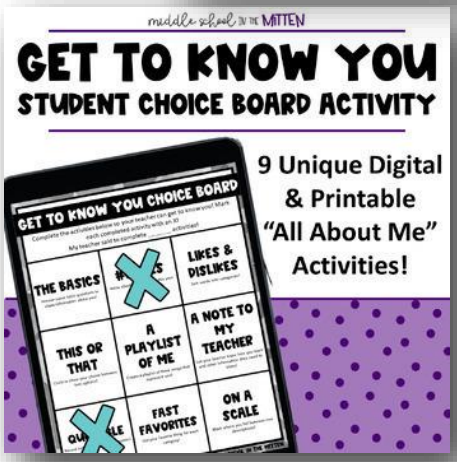
If you have any questions, please feel free to send me an email at middleschoolinthemitten@gmail.com, and I will try my best to help!

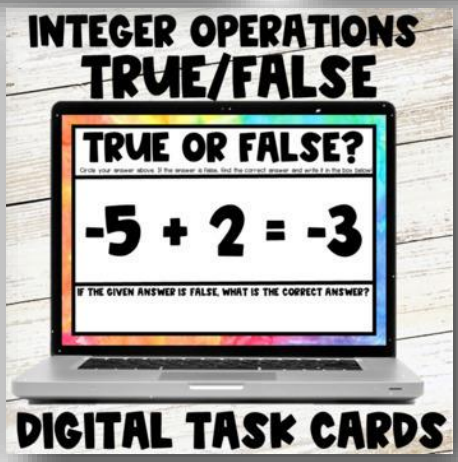
- Aly

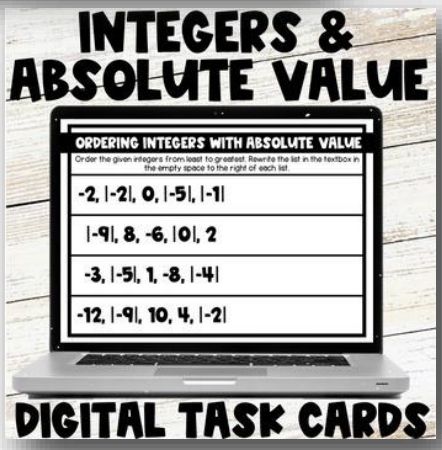
OTHER RESOURCES YOU'LL LOVE!

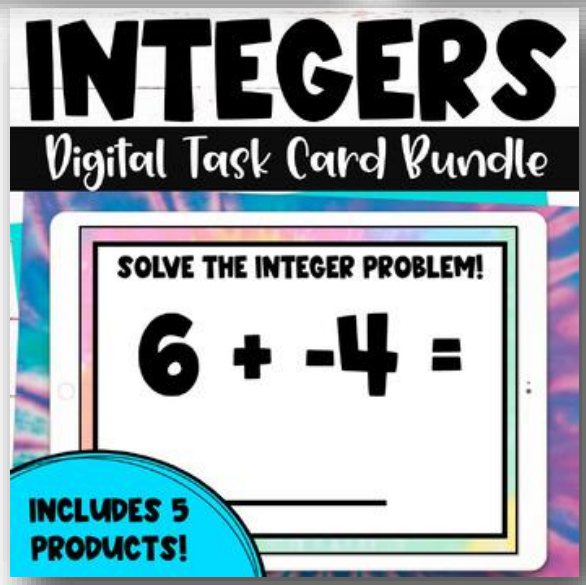
There are so many engaging ways to practice essential math skills! Click on the pictures below to check out more of my students' favorites!

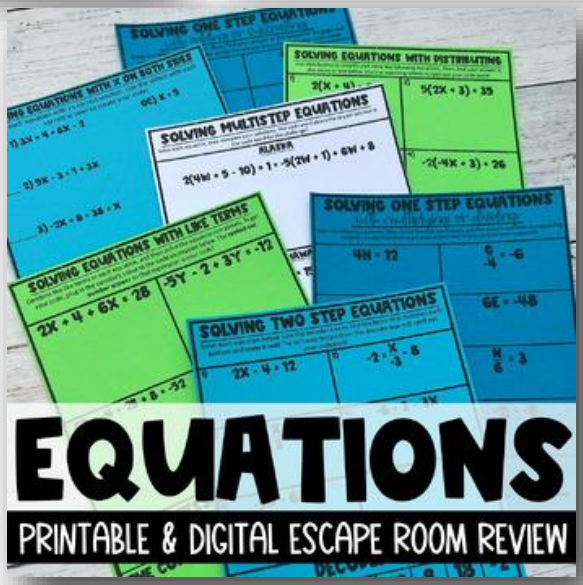












INTEGER RULES REFERENCE PAGES

what's included

Thanks so much for your download! I'm confident that you'll use these reference pages year after year! This free resource includes completed, fill in the blank notes, and fill in the blank notes with examples for adding, subtracting, multiplying, and dividing integers! I love to print them on colored cardstock with a multiplication chart on the back side. As we fill in the notes, we put example problems in the extra space, allowing us to apply the rule as we talk about it. I model using the reference page as often as possible, so students see it as a resource instead of just an extra paper!

Included in this resource:

- How to Print PDFs as Posters
- Fill in the Blank Integer Rule Page
- Fill in the Blank Integer Rule Page with Examples
- Completed Integer Rule Page/Anchor Charts
- Suggested Answer Keys
- Suggestions for other resources you'll love!
- Terms of Use for Middle School in the Mitten Resources

Suggestions for Use:

- Print the anchor chart as a poster and hang in your classroom!
- Print the fill in the blank notes on cardstock and reference with students daily!
- Print student reference pages for interactive notebooks or notes throughout your integer unit!

HOW I USE THIS RESOURCE
in my own classroom

A few years ago, I realized that my 7th and 8th grade students were lacking automaticity with integer rules, which was making pre-algebra topics difficult and frustrating for them and for me! When my students saw a negative sign in a problem, they either ignored it, assumed their answer was negative, or wouldn't even attempt the problem. Maybe you are seeing similar behaviors in your classroom, too.

My coteacher and I quickly realized that we needed something to help, so I created this simple reference page! I copied it on colorful cardstock and added a multiplication chart on the back, since many of my students didn't have their math facts memorized either! (Have the same issue? Here's a link to the multiplication chart freebie that I use!) In our intervention class, we passed out the note pages and filled in the blanks together. We added examples in the extra space around the rules. Each day, we reminded students to get that page out to help him, no matter what topic we were working on. We modeled checking the rules for integer problems and asked students to get out the pages before we helped them during independent work time.

Over the next few weeks, students were using the pages all the time! Even better, some of them were starting to remember the rules and applying them independently. Students loved having a reference page to look at and started gaining confidence in integer operations. At the end of the year, many students asked if they could keep the note page to help them in high school. Of course, the answer was YES!

Now, my coteacher and I start the school year with these reference pages in all of our classes. While I love using these as full page reference charts for students, I've also enlarged them as anchor chart posters or printed them several to a page for a pint sized version! No matter the size you use, I attribute the success we have had to the work we put in to make referencing the page a routine in our classroom. I hope this resource helps your students as much as it's helped mine!

LOVE THIS FREEBIE?

I'm so glad!

Leave a Review! – I love hearing about how my products have helped you or your students. Please take a moment to leave a review under the 'My Purchases' tab on TPT!

Follow Me! – If this freebie was your jam, click here to follow my TPT store! I have hundreds of products that will be useful and engaging in your classroom! My goal with creating Middle School in the Mitten was to share engaging and time saving resources and ideas with busy, world changing teachers like you!

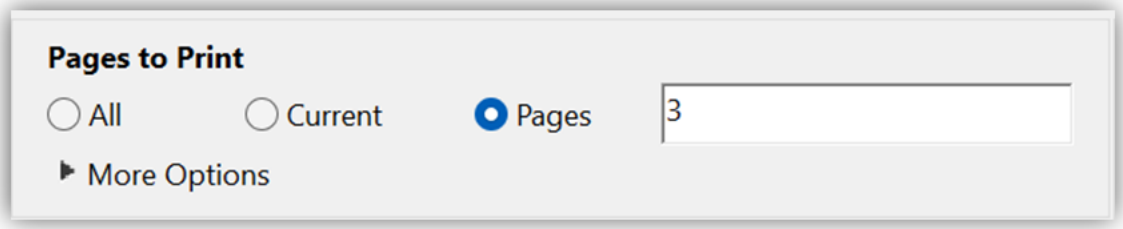
Tag me on Instagram! – I love seeing my products in classrooms around the world! After using these pages in your classroom, snap a photo and tag @middleschoolinthemitten! I can't wait to see!

Lastly, check out my website for more teacher time savers, tips, and resources!

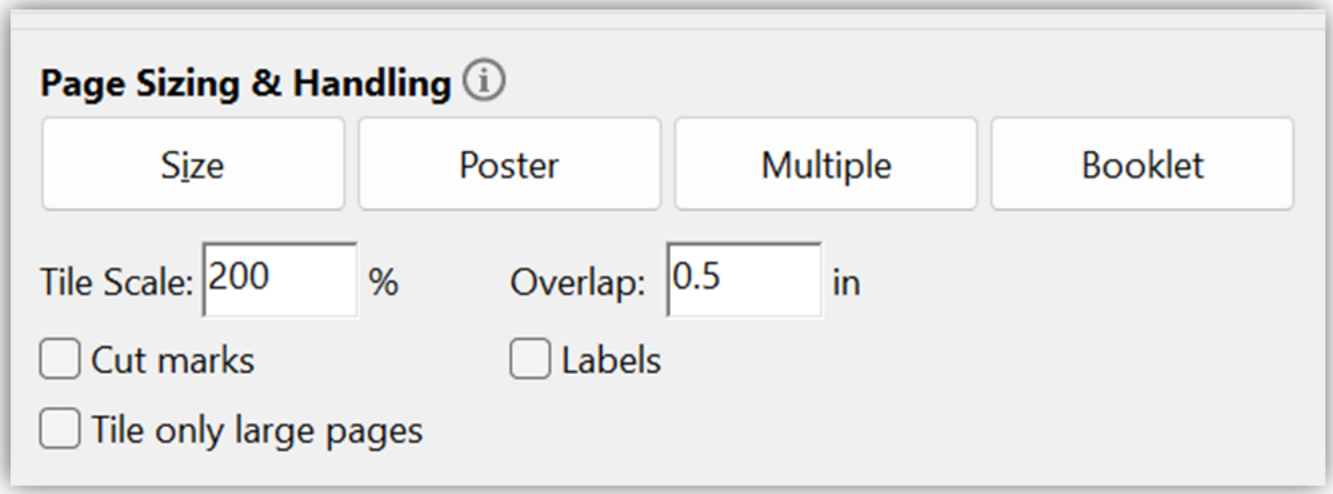
a quick how to:
PRINTING PAGES AS POSTER SIZE

I'm a sucker for a large poster or anchor chart, but I don't often have the time, money, or desire to send a document to my local copy center to make it as large and in charge as I'm picturing in my head! Here's how I print regular pages as poster sized beauties!

Step 0: Download and install the free version of Adobe Acrobat Reader on your computer.
Step 1: Open the PDF file in the free version of Adobe Acrobat Reader.
Step 2: Choose File, then print.
Step 3: Type the page number you'd like to print as a poster. I recommend doing one page at a time, but you can select ranges of pages using a dash (ex. 2-4) or select specific pages using commas (ex. 3, 5 will print pages 3 and 5, but not 4!)



Step 4: Under Page Sizing & Handling, select "Poster", then change the Tile Scale to a percentage that you want to use for your poster (more details on this on the next page). Also, select a small number for the overlap, which is where the edges of the pages will overlap. This is helpful for gluing. If your overlap is larger, your poster will take more pages for printing!



a quick how to:
PRINTING PAGES AS POSTER SIZE

Step 4, Continued:

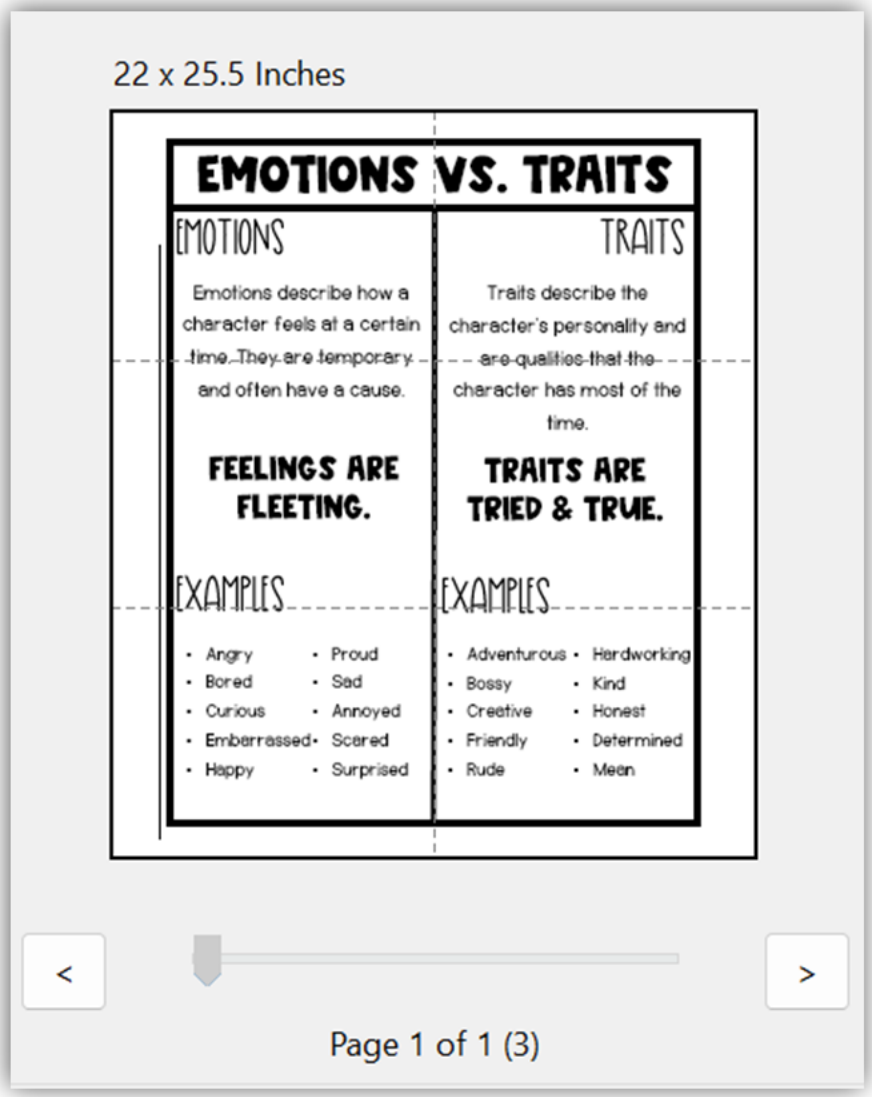
This will take some playing around. Be sure the use the arrows under the preview image to see how many pages the poster will be INSTEAD of just pressing enter, as that can sometimes send your job to the printer before you're done playing around with the size! Using 0.5 inch overlap, here's what I've found works for me:

- ❑ 126% uses about 2 full pages.
- ❑ 188% uses about 4 full pages.
- ❑ 216% uses about 6 full pages.

Step 5:

Print the poster and place the pages together like a puzzle. If you used overlap, trim off one of the overlapping pieces, so the remaining overlap will lay underneath the trimmed page. Use glue or tape to secure the poster together.

Step 6 (Optional):
Laminate for use year after year!



NAME:

INTEGER OPERATIONS

ADDITION RULES

SAME SIGNS:

- _____
- _____

DIFFERENT SIGNS:

- _____
- _____

SUBTRACTION RULES

- _____
- _____

MULTIPLICATION & DIVISION RULES

SAME SIGNS:

- _____
- _____

DIFFERENT SIGNS:

- _____
- _____

NAME:

INTEGER OPERATIONS

ADDITION RULES

SAME SIGNS:

- _____ THE NUMBERS
- KEEP THE SIGN THE _____.

DIFFERENT SIGNS:

- _____ THE NUMBERS
- KEEP THE SIGN OF THE NUMBER THAT IS _____.

SUBTRACTION RULES

- USE _____, CHANGE, _____ TO REWRITE THE PROBLEM AS _____.
- FOLLOW INTEGER _____ RULES.

MULTIPLICATION & DIVISION RULES

SAME SIGNS:

- _____ THE MATH FACT
- ANSWER IS _____

DIFFERENT SIGNS:

- _____ THE MATH FACT
- ANSWER IS _____

NAME:

INTEGER OPERATIONS

ADDITION RULES

SAME SIGNS:

- ADD THE NUMBERS
- KEEP THE SIGN THE SAME

DIFFERENT SIGNS:

- SUBTRACT THE NUMBERS
- KEEP THE SIGN OF THE NUMBER THAT IS FARTHER FROM ZERO.

SUBTRACTION RULES

- USE KEEP, CHANGE, CHANGE TO REWRITE THE PROBLEM AS AN ADDITION PROBLEM.
- FOLLOW INTEGER ADDITION RULES.

MULTIPLICATION & DIVISION RULES

SAME SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS POSITIVE

DIFFERENT SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS NEGATIVE

NAME:

INTEGER OPERATIONS

ADDITION RULES

SAME SIGNS:

- _____ THE NUMBERS
- KEEP THE SIGN THE _____.

-5 + -6 =

-4 + -2 =

DIFFERENT SIGNS:

- _____ THE NUMBERS
- KEEP THE SIGN OF THE NUMBER THAT IS _____.

-8 + 4 =

10 + -1 =

SUBTRACTION RULES

- USE _____, CHANGE, _____ TO REWRITE THE PROBLEM AS _____.
- FOLLOW INTEGER _____ RULES.

-2 - 4 =

-5 - (-8) =

MULTIPLICATION & DIVISION RULES

SAME SIGNS:

- _____ THE MATH FACT
- ANSWER IS _____

-8(-7) =

DIFFERENT SIGNS:

- _____ THE MATH FACT
- ANSWER IS _____

$\frac{-48}{12}$

NAME:

INTEGER OPERATIONS

ADDITION RULES

SAME SIGNS:

- ADD THE NUMBERS
- KEEP THE SIGN THE SAME

-5 + -6 =

-4 + -2 =

DIFFERENT SIGNS:

- SUBTRACT THE NUMBERS
- KEEP THE SIGN OF THE NUMBER THAT IS FARTHER FROM ZERO.

-8 + 4 =

10 + -1 =

SUBTRACTION RULES

- USE KEEP, CHANGE, CHANGE TO REWRITE THE PROBLEM AS AN ADDITION PROBLEM.
- FOLLOW INTEGER ADDITION RULES.

-2 - 4 =

-5 - (-8) =

MULTIPLICATION & DIVISION RULES

SAME SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS POSITIVE

-8(-7) =

DIFFERENT SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS NEGATIVE

$$\frac{-48}{12}$$

INTEGER RULES

ADDITION

SAME SIGNS -

- ADD THE NUMBERS
- KEEP THE SIGN!

DIFFERENT SIGNS -

- SUBTRACT THE NUMBERS
- KEEP THE SIGN OF THE NUMBER THAT IS FARTHER FROM ZERO!

SUBTRACTION

- USE KEEP, CHANGE, CHANGE.
- FOLLOW ADDITION RULES.

MULTIPLICATION & DIVISION

SAME SIGNS -

- MULTIPLY OR DIVIDE THE NUMBERS
- ALWAYS A POSITIVE ANSWER

DIFFERENT SIGNS -

- MULTIPLY OR DIVIDE THE NUMBERS
- ALWAYS A NEGATIVE ANSWER

NAME:

INTEGER OPERATIONS

ADDITION RULES

SAME SIGNS:

- ADD THE NUMBERS
- KEEP THE SIGN THE SAME.

DIFFERENT SIGNS:

- SUBTRACT THE NUMBERS
- KEEP THE SIGN OF THE NUMBER THAT IS LARGER/GREATER/FARTHER FROM ZERO.

SUBTRACTION RULES

- USE KEEP, CHANGE, CHANGE TO REWRITE THE PROBLEM AS ADDITION/AN ADDITION PROBLEM.
- FOLLOW INTEGER ADDITION RULES.

MULTIPLICATION & DIVISION RULES

SAME SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS POSITIVE

DIFFERENT SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS NEGATIVE

NAME:

INTEGER OPERATIONS

ADDITION RULES

SAME SIGNS:

- ADD THE NUMBERS
- KEEP THE SIGN THE SAME.

-5 + -6 = -11

-4 + -2 = -6

DIFFERENT SIGNS:

- SUBTRACT THE NUMBERS
- KEEP THE SIGN OF THE NUMBER THAT IS LARGER/GREATER/FARTHER FROM ZERO.

-8 + 4 = -4

10 + -1 = 9

SUBTRACTION RULES

- USE KEEP, CHANGE, CHANGE TO REWRITE THE PROBLEM AS ADDITION/AN ADDITION PROBLEM.
- FOLLOW INTEGER ADDITION RULES.

-2 - 4 = -6

-5 - (-8) = 3

MULTIPLICATION & DIVISION RULES

SAME SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS POSITIVE

-8(-7) = 56

DIFFERENT SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS NEGATIVE

$\frac{-48}{12} = -4$

NAME:

INTEGER OPERATIONS

ADDITION RULES

SAME SIGNS:

- ADD THE NUMBERS
- KEEP THE SIGN THE SAME

-5 + -6 = -11

-4 + -2 = -6

DIFFERENT SIGNS:

- SUBTRACT THE NUMBERS
- KEEP THE SIGN OF THE NUMBER THAT IS FARTHER FROM ZERO.

-8 + 4 = -4

10 + -1 = 9

SUBTRACTION RULES

- USE KEEP, CHANGE, CHANGE TO REWRITE THE PROBLEM AS AN ADDITION PROBLEM.
- FOLLOW INTEGER ADDITION RULES.

-2 - 4 = -6

-5 - (-8) = 3

MULTIPLICATION & DIVISION RULES

SAME SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS POSITIVE

-8(-7) = 56

DIFFERENT SIGNS:

- SOLVE THE MATH FACT
- ANSWER IS NEGATIVE

$\frac{-48}{12} = -4$

IEP GOALS

While I focus on math and math intervention, I am still a special education teacher! Below are some sample IEP goals and IEP goal objectives that I support with this resource, as well as some accommodations that will benefit students with learning difficulties.

SAMPLE IEP GOAL #1

By May 26, 2024, STUDENT will add, subtract, multiply, and divide rational numbers with 75% accuracy as measured by samples of class work or informal assessments.

- By May 26, 2024, STUDENT will add, subtract, multiply, and divide integers with 80% accuracy when given a multiplication chart as measured by samples of classwork or informal assessments.
- By May 26, 2024, STUDENT will add, subtract, multiply, and divide fractions with 75% accuracy as measured by samples of classwork or informal assessments.

SAMPLE IEP GOAL #2

By May 26, 2024, STUDENT will use inverse operations to solve two step equations with 75% accuracy as measured by samples of class work or informal assessments.

- By May 26, 2024, STUDENT will add, subtract, multiply, and divide integers with 80% accuracy when given a multiplication or reference chart as measured by samples of classwork or informal assessments.
- By May 26, 2024, STUDENT will use inverse operations to solve one step equations with integers with 75% accuracy as measured by samples of classwork or informal assessments.

HELPFUL ACCOMMODATIONS

- Notes Provided: Simply print out the completed note page for students.
- Use of Reference Page/Notes on Assignments/Assessments – Provides students with a multiplication chart or integer rule page to help ensure accuracy while solving problems on assessments or class work.
- Extended time – provides students with extra time to use their integer rule page as an accommodation.

THANK YOU!

Thank you so much for your support! I hope you find this resource useful in your classroom! Please remember to leave feedback to earn TpT credits which can be used towards future purchases. Follow me on TpT to be notified when new resources are added! If you have questions or concerns, please email me at MiddleSchoolintheMitten@gmail.com.

– aly franklin

CLIP ART AND GRAPHICS CREDITS

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