

Polishing your Math Skills – Using OneNote Math Tools and Forms

MS365 Tool: One Note, Forms	Activity Description: Use OneNote Math tools to understand how to solve math equations. Create a form for a friend, double your studying power by creating a quiz, and also solving a friends quiz!
Subject: Math	Learning Objectives: <i>Students will be able to...</i> <ul style="list-style-type: none"> Understand how to use math tools to solve equations. Students must manually simplify improper fractions Students will be able to create a Microsoft Forms quiz to help a friend study

Before the Lesson:
<ul style="list-style-type: none"> Ensure students have a working email address, preferably an Office 365 Education Account Ensure students have access to OneNote Math tools, and can create a Microsoft Form Chromebooks or Windows devices are ideal for using OneNote Math tools and Creating forms, submitting a form can be done easily with a smartphone. Create a OneNote Class Notebook, either create appropriate math problems on a page and distribute it to student notebooks or feel free to copy the math problems here and distribute them to students in OneNote Class Notebook https://m365edu304517-my.sharepoint.com/:w:/g/personal/carac_logicsdemo_com/ESOGtsL6geFOocGAAep5nyQB060-j7EgEclYdVaUToxFPQ?e=AdQnzI

Introduction:
<ul style="list-style-type: none"> Review how to solve fraction equations (addition, subtraction, multiplication, and division) <ul style="list-style-type: none"> <i>multiply whole numbers by proper fractions, using appropriate tools and strategies</i> Explain the lesson objective <i>divide whole numbers by proper fractions, using appropriate tools and strategies</i> <i>add and subtract fractions with like and unlike denominators, using appropriate tools, in various contexts</i> <i>In this lesson, we'll be exploring how to solve multiplication, division, addition and subtraction problems with fractions. If you don't remember the rules no problem, we can review at our own pace using Math Tools</i>

Activity:
<ul style="list-style-type: none"> Log-in to Microsoft OneNote ClassNotebook Show students what OneNote looks like, walk through the User Interface, have them navigate to their student notebook section, and find the math review you have distributed. <i>PAUSE to allow students time to explore OneNote ClassNotebook</i> Show students how to use the Math Tools features to evaluate their answers, show step by step solutions. Be sure to check the steps before you share the problem with students, OneNote Math Tools cannot simplify fractions for example, and you need to use ÷ sign for it to recognize division is happening for fractions. Have students type grab the explanation on how to solve a problem and put it next to the problem so students remember how to solve division, multiplication, addition and subtraction <i>PAUSE to allow students to create solutions for problems in their own notebooks</i> After students have been given time to answer the questions, have students generate a practice quiz to continue getting practice and reviewing fractions <i>PAUSE to allow students to solve a few problems in their forms quiz</i> Tell students it's time to create their own math quiz to help them study, create a practice quiz (you learn once by designing it, then you do a friends practice quiz and they do yours to double your studying power).

Closing:
<ul style="list-style-type: none"> Review how to share a quiz, so students can send their quizzes to their friends if they want to work on the same quiz <i>PAUSE to allow students to get the send link</i>

Assessment:

- Multiplication and Division: *Does the student understand how to solve multiplication and division problems containing whole numbers and fractions?*
- Addition and Subtraction: *Does the student understand how to add and subtraction mixed fractions?*
- Simplify: *Can the student simplify improper and proper fractions?*

