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info@umathx.com

The “U” in UMathX is ... “UNDERSTANDING”



RUDY NEUFELD - AUTHOR



webinar

series with UMathX

Times: We will accommodate you at the following times but also try to accommodate you at other times that are convenient for you.

7 am CDT – Baton Rouge / Houston / Chicago/ Birmingham

8 am EDT – Dominican Republic / NY / Detroit / Toronto / Atlanta

9 am Atlantic Time – Charlottetown / Halifax

Instructions Before the Webinar

Register at info@umathx.com 24 hours before session.

Registered attendees will be invited to the webinar by email at the begin time.

The Learning Environment

- Play the video: *UMathX–What is it?* at www.umathX.com > Media > Videos

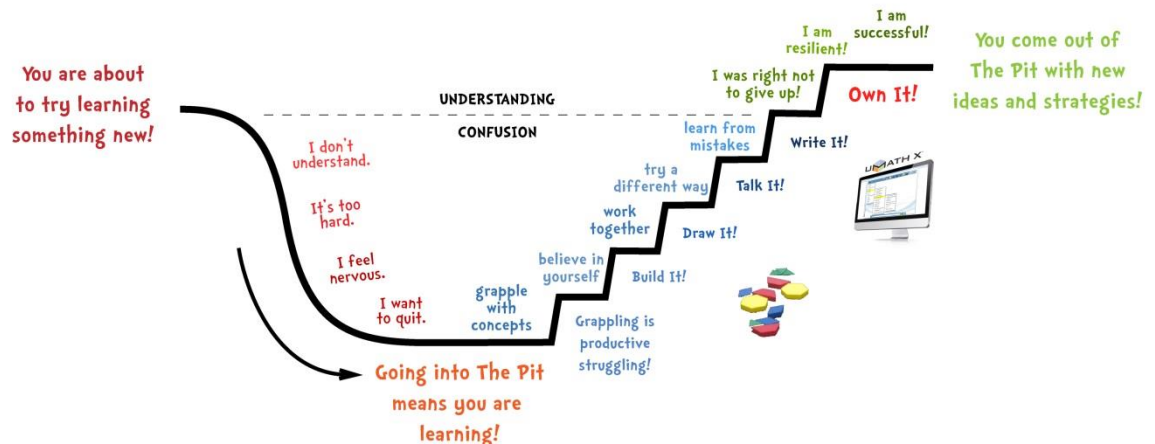


NEEDS:

computer
internet
base10 blocks
frameworks
pencil/pen
crayons

The Learning Pit

A Model for a Growth Mindset



- Play the video <http://www.jamesnottingham.co.uk/learning-pit>
- Enter the URL www.umathx.com/preview into the address box of any browser.
Enter the Username that you have been given for this UMathX session.
Enter the Generic Password: **umathx**

Concept: Add 2 Digit Numbers Without Regrouping

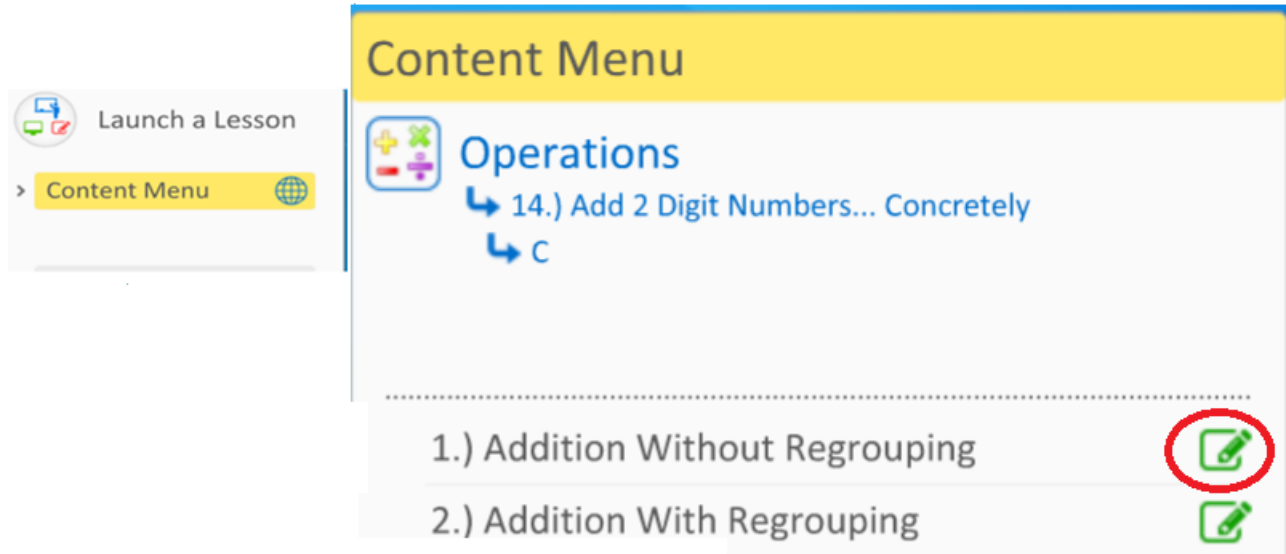
On Computer, use the URL .. www.umathx.com/preview



Select the – Content Menu.

Follow the path below:

Operations > 14.)Add 2 Digit Numbers..Concretely > C > 1.)Addition Without Regrouping



Note a green pencil beside “Addition Without Regrouping” indicating that a FRAMEWORK, a 3 part model lesson for this concept exists on paper.

Click on it and print it. You will need base 10 blocks before drawing the blocks below.

Framework for Learning: Add 2 Digit Numbers...Concretely – Addition without Regrouping

Leader’s Name:

Co-Leader’s Name:

Instructor’s Initials:

Getting Started:

Write the following numbers in the place value chart.

Identify the number of Tens and Ones in each.

1.)

56

| | |
|------|------|
| Tens | Ones |
| | |

_____ Ones
_____ Tens

2.)

43

| | |
|------|------|
| Tens | Ones |
| | |

_____ Ones
_____ Tens

Working In It:

Log into **UMATH X**.

Navigate within the **Content Menu** to the following lesson:

Operations/14. Add 2 Digit Numbers...Concretely/C/1. Addition without Regrouping

Draw a color coded **base ten block model** for the 5 questions in the lesson.

Example 1

| Tens | Ones |
|------|------|
| | |
| | |

+

| | |
|--|--|
| | |
|--|--|

Model of the Sum

| Tens | Ones |
|------|------|
| | |
| | |

Example 2

| Tens | Ones |
|------|------|
| | |
| | |

+

| | |
|--|--|
| | |
|--|--|

Model of the Sum

| Tens | Ones |
|------|------|
| | |
| | |

Example 3

| Tens | Ones |
|------|------|
| | |
| | |

+

| | |
|--|--|
| | |
|--|--|

Model of the Sum

| Tens | Ones |
|------|------|
| | |
| | |

Example 4

| Tens | Ones |
|------|------|
| | |
| | |

+

| | |
|--|--|
| | |
|--|--|

Model of the Sum

| Tens | Ones |
|------|------|
| | |
| | |

Example 5

| Tens | Ones |
|------|------|
| | |
| | |

+

| | |
|--|--|
| | |
|--|--|

Model of the Sum

| Tens | Ones |
|------|------|
| | |
| | |

Reflect & Connect:

Concept: Add 2 Digit Numbers With Regrouping

On Computer, use the URL .. www.umathx.com/preview

Login to **UMathX – Content Menu.**

Follow the path below:

Operations > 14.)Add 2 Digit Numbers..Concretely > C > 1.)Addition With Regrouping

Note a green pencil beside “2.)Addition With Regrouping” indicating that a **FRAMEWORK**, a 3 part model lesson for this concept exists on paper.

Click on it and print it. You will need base 10 blocks before drawing the blocks below.



Framework for Learning: Add 2 Digit Numbers...Concretely – Addition With Regrouping

Leader's Name:

Co-Leader's Name:

Instructor's Initials:

Getting Started:

In **UMATH X** follow the path below in the **Content Menu**:

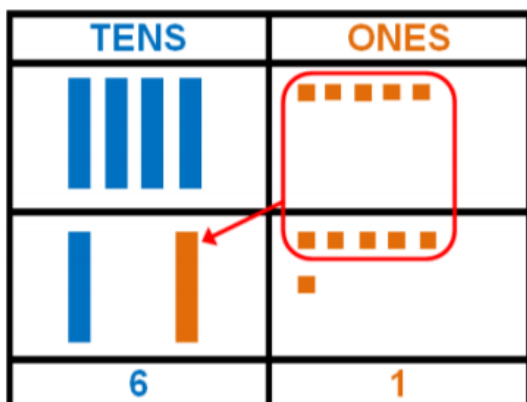
Operations > 14. Add 2 Digit Numbers...Concretely > C > 2. Addition With Regrouping

Build the numbers in each problem with base ten blocks at your desk as you work through the problems on the computer.

Draw a color coded picture of 3 of the models.

Complete the notes for each.

Example



The sum of 45 and 16 is 61.

Problem 1

| TENS | ONES |
|------|------|
| | |
| | |
| | |

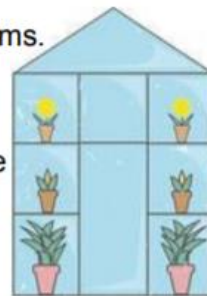
| TENS | ONES |
|----------------------|------|
| <input type="text"/> | |
| | |
| | |

The **sum** of ____ and ____ is ____.

Working In It:

On a separate sheet of paper, **draw** a color coded model for each of the following problems.

1. There were 29 cars in a parking lot.
16 more cars parked in the lot.
How many total cars are in the lot now?
2. 59 plants were in the green house.
34 more plants were brought in.
What is the total number of plants in the green house?



Compare your answers with a partner.
Discuss and correct any mistakes.

Reflect & Connect:

Talk with a partner about how to add with regrouping.

Write 2-3 sentences on a separate sheet of paper explaining the process. Include an original example.

Draw a color coded model for your problem.

Build It. Draw It. Talk It. Write It. Now you OWN It!



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Sequence of Concepts to Follow in UMathX:

On Computer, use the URL .. www.umathx.com/preview

Login to **UMathX – Content Menu**.

Follow the paths below along with corresponding Frameworks if they exist:

Operations > 15.)Add 2 Digit Numbers..Abstractly > C

Operations > 16.)Add 3 Digit Numbers..Concretely > D

Operations > 17.)Add 3 Digit Numbers..Abstractly > D