

At the end of a section of Video, a STOP will appear to tell the learner to go to a corresponding ONLINE LESSON OR 3 PART LESSON within UMathX.

0:00 to 1:36	Introduction
1:36 to 3:17	Learning Pit introduction Were you taught? Productive Struggling
3:17	Concept 1 Multiply a 2 Digit by 2 Digit Number ... then pause the video to THINK & TALK and DO Resource 1, Resource 2, Resource 3
6:03	Concept 2 Add 2 Digit Numbers... Concretely
6:53	Concept 3 Subtract 3 Digit Numbers... Concretely
7:29	Concept 4

Fraction Introduction - Pattern Blocks ... see [Resource 4](#)

- 9:33** **Concept 5**
Multiply Fractions
- 10:33** **Concept 6**
Divide Fractions
- 12:00** **Concept 7**
Patterning - Algebraic Thinking
Patterning -Cube-a-Links
- 19:33** **Concept 8**
Area - A STEM Activity
- 20:02** **Concept 9**
Add Numbers Vertically
- 20:49** **Concept 10**
Discuss - TEACHING not TELLING ... then pause video to THINK & TALK.
- 21:27** **Video 1**
MATH or MAGIC .. Ma & Pa ... then pause the video to THINK & TALK.
- 24:00** **Video 2**
THE LEARNING PIT .. by James Nottingham ... then pause the video to THINK & TALK.
- 30:30** **Video 3**
Introduction to Coding Through Robotics and Logo with a Math Focus
- 37:15** The End