Teacher Resource

Math Video

Grades 3-5

We are so excited to have you utilize our Stem with Storm videos in your classroom! Innovation One and Education One have partnered together for some fun with our campus mascot, Storm, to share his love of learning with STEM- Science, Technology, Engineering and Mathematics with students near and far demonstrating some fun experiments directly aligned to Indiana State Standards!

The enclosed follow-up activities can be utilized for extended hands-on learning for your scholars.   Our goal is to get those young brains thinking and spark the imagination and love of learning of future professionals!

Let's Learn Together with Storm!

A partnership of:

Indiana Standards Connection:

Math Standards:

PS.1: Make sense of problems and persevere in solving them.

PS.2: Reason abstractly and quantitatively.

PS.3: Construct viable arguments and critique the reasoning of others.

PS.4. Model with mathematics.

PS.7: Look for and make use of structure.

PS.8: Look for and express regularity in repeated reasoning.

3.NS.1/4.NS.1: Read and write whole numbers.

3.C.1/4.C.1: Fluently add and subtract whole numbers (and multi digit numbers) within 1000 using strategies and algorithms based on place value, properties of operations, and relationship between addition and subtraction.

3.C.5/4.C.4/5.C.1: Multiply and divide within 100 using strategies such as the relationship between multiplication and division.

3.C.6: Demonstrate fluency with mastery of multiplication facts and corresponding division facts of 0 to 10.

3.AT.6: Create, extend, and give an appropriate rule for number patterns within 100.

Classroom Extension:

Now it is your turn to try out this cool math problem that you saw in the video. Here are the steps to try it:

Let's use the numbers 5 and 31

Step 1: Multiply

31

X 5

155

Step 2: Add the digits in the original factors until you get single digits

3 + 1 = 4

5 = 5

Step 3: Multiply these two sums

4 x 5 = 20

Step 4: Add these digits from this product until you get a single digit

2 + 0 = 2

Step 5: Add the digits from the product in step 1 (keep going until you get a single digit)

1 + 5 + 5 = 11   1 + 1 = 2   WOW! COOL!

You try with the following numbers: 7   and 63

Step 1: Multiply

Step 2: Add the digits in the original factors until you get single digits

Step 3: Multiply these two sums

Step 4: Add these digits from this product until you get a single digit

Step 5: Add the digits from the product in step 1 (keep going until you get a single digit)

Ask a friend for two numbers to try again!

Step 1: Multiply

Step 2: Add the digits in the original factors until you get single digits

Step 3: Multiply these two sums

Step 4: Add these digits from this product until you get a single digit

Step 5: Add the digits from the product in step 1 (keep going until you get a single digit)

Try it again!

Show this fun math trick to someone at home!

What are some ways you have used math today?

Brainstorm your ideas here

Share with a friend