You Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Your Partners' Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

 ***Arithmetic Workout PhET* Math Game**

**Introduction:** Ever wonder how , when asked for two numbers multiplied together, teachers and some students can fire back a correct answer almost instantly, as though they don't even have to think about it? Ever wished you had that skill? This game will help you develop that skill. Cool, huh? When you're done in class, you can practice at home at the PhET website.

**Procedure:** Find the link to the PhET simulations on your computer's desktop or web browse to <http://www.colorado.edu/physics/phet>. Once at the main screen, *Play With Sims* 🡪 *Math* 🡪 *Arithmetic*. ****

When the yellow bar drops down to ask you if you want to run the program, select *allow,* *run*, *ok*, or *yes*.

**Multiply**

* Take some time with your partner or group and become familiar with the program, as you will be competing with each other after each of you gets a few minutes of practice.
* Once everyone has had some practice on Multiply, level1... let the games begin!
* Click on the clock. You are now being timed!
* Take turns completing the game. Record your score below on the score sheet. Remember: Your score is based on both accuracy (getting them correct) and speed (time to complete the whole board). Don't guess. Work them out to correctness, but work with *alacrity*.
* Repeat the above game (the first round was practice...right?) NOW who's the winner?
* Once you have crowned the ***"Master of Level 1"***, move on to ... ya, level 2....then level 3 (wow!)

Multiply Level 1: Round 1 Score Round 2 Score WINNER

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| Name: |  |  |
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Multiply Level 2: Round 1 Score Round 2 Score WINNER

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Multiply Level 3: Round 1 Score Round 2 Score WINNER

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**Factor**

This one is a trip! In ***Factor***, you use your mouse to choose a box on the game board that corresponds to two numbers that when multiplied together give you the product displayed on in the box. For instance, here, you might choose 3 and 2 or 6 and 1.

Factor Level 1: Round 1 Score Round 2 Score WINNER

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Factor Level 2: Round 1 Score Round 2 Score WINNER

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Factor Level 3: Round 1 Score Round 2 Score WINNER

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**Divide**

Can you work SDRAWKCAB? In ***Divide***, you chose a number that, when multiplied...oh...you'll figure it out. Have fun!

Divide Level 1: Round 1 Score Round 2 Score WINNER

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Divide Level 2: Round 1 Score Round 2 Score WINNER

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Divide Level 3: Round 1 Score Round 2 Score WINNER

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| --- | --- | --- | --- |
| Name: |  |  | C:\Users\Chris\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\DWL7EP5K\MCj01992500000[1].wmf |
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