SMS Math 7 Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Section:\_\_\_\_\_\_\_\_\_\_

Activity: DO THE MOON WALK

MR. A THINKS IT WOULD BE FUN TO GO TO THE MOON!! If you could walk to the moon, about how long would it take? HUH?

Here is an investigation that, at first, may seem impossible to do. But if you take it apart, step by step, you'll be surprised at how quickly you'll be off and running. You may use a calculator for this activity.

You really only need two pieces of information: how fast you walk and how far it is to the moon and Vancouver.

1. Find the distance to the moon in KM. You may use your phones or a laptop to search the distance.
2. How can you determine your walking speed? What tools do you need?

Use the meter sticks at the front of the class and with your partner mark off a distance of 20 meters (outside on field) to walk. Using the stopwatch on your phone time your partner as they walk the given distance. If you do not have a stopwatch count 'One Mississippi, Two Mississippi'. Each one will count as one second.

1. From this information determine how many meters per second your partner can walk.
2. Now that you have the number of KM to the moon and your speed, you can determine how long it will take you to walk to the moon. Your initial answer will be in seconds….. a very big number!! Convert your answer to minutes, hours, days, and years.
3. Repeat the process if you were going to walk to Vancouver.

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| **KM to the moon** |  |
| **Walking speed (meters/sec)** |  |

|  |  |  |
| --- | --- | --- |
| **Time required………..** | **To the moon** | **To Vancouver** |
| Seconds |  |  |
| Minutes |  |  |
| Hours |  |  |
| Days |  |  |
| Years |  |  |