Incoming Fifth Grade Summer Math Challenge

Directions: Color each box upon completion

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| --- | --- | --- | --- | --- | --- | --- |
| Sunday | Monday | Tuesday | Wednesday | Thursday | Friday | Saturday |
| Find the perimeter and area of your front or back door. Record and explain what you did. | Ask ten friends or relatives their age. Identify the mean, median, mode and range of these numbers. | Draw a design that has many lines of symmetry. | Find a graph in the newspaper or on the computer. Write 5 questions about the graph. Share it with your family. | How many hours did you sleep last night?  Bedtime\_\_\_\_\_\_\_  Wake Time:\_\_\_\_ | If you called London England at 8:00pm New York time. What time would it be in London? (Hint: Find out how many hours ahead London is) | Write the 4, 6 and 7 times tables. Practice and memorize. Then have an adult quiz you. |
| Find a canned food. Record the diameter and the circumference in centimeters  Hint: You may need a string for measuring the circumference | What Number am I?  The digits in my number are 3, 8, 4, 1.  I am odd. I have a 4 in my hundreds place. I am less than 2,000.  Create more riddles! | Find the area of your bedroom. What room in your house could have twice the area of your bedroom?  Half the area of your bedroom? | Over the next two weeks, record the actual high temperature. Make a line graph using this information. | Play math educational games on the computer. Try these websites:  [www.coolmath4kids.com](http://www.coolmath4kids.com)  [www.funbrain.com](http://www.funbrain.com)  [www.aplus](http://www.aplus)math.com | Practice multiplication and division facts using fact triangles or Flash Cards | Play a game that involves mathematical thinking, such as:  Monopoly  Trouble  Checkers  Connect Four  Uno  Battleship |
| If there are 2 towns with 8 schools and 11 doors in each school, how many doors are there in all? | Complete the problem using < , >, =  471\_\_\_147  19+7\_\_\_\_9+20  4x9\_\_\_\_\_\_6x6  25x5\_\_\_\_\_34x2  45x6\_\_\_\_\_95+9 | Multiply  36x27  Use 2 different strategies to solve. | Use a ruler to draw a rectangle measuring 12 cm long and 4 cm wide.  Find the area and perimeter. | Take turns making up number stories with three or more addends.  Share strategies on how to solve. | Look at a recipe and measure the ingredients together with an adult. Discuss the equivalent measures. | Cut out pictures from newspapers and magazines that show different shapes, such as triangles, circles, quadrangles and other polygons. Make a collage with the pictures. |
| Go on a 3-D scavenger hunt. How many cylinders, pyramids, cubes, rectangular prisms, and cones can you find? | What number is 10 more than 4,492?  What number is 300 more than 4,830?  What number is 500 more than 4,654? | What’s the rule for my input/output machine?  Input Output  12 24  10 20  15 30 | Round each number to the nearest hundredth.  0.123\_\_\_\_\_\_\_\_\_  4.568\_\_\_\_\_\_\_\_\_  6.155\_\_\_\_\_\_\_\_\_  9.780\_\_\_\_\_\_\_\_\_  0.006\_\_\_\_\_\_\_\_\_ | Name all the factors of each number:  55\_\_\_\_\_\_\_\_\_\_\_\_  32\_\_\_\_\_\_\_\_\_\_\_\_  96\_\_\_\_\_\_\_\_\_\_\_\_ | Complete:  3 gal=\_\_\_\_qt  4qt=\_\_\_\_\_pt  6pt=\_\_\_\_\_\_\_c  64 gal=\_\_\_pt | Flip a coin 25 times. What percent of the flips landed with the heads facing up? |

Child’s Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ New Class\_\_\_\_\_\_\_\_\_ Parent’s Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_