M&M’s Math

1. Do not open your M&M bag!
   Guess how many M&M’s are in the bag? ________

2. Open your bag and count the M&M’s. Do not eat any!
   How many M&M’s are in the bag? ________

3. Were you correct? ________
   How close were you? ________

4. Put your M&M’s into sets by color. Use the sorting sheet.
   Red = R
   Orange = O
   Green = G
   Yellow = Y
   Brown = BR
   Blue = BL

5. Write the number of M&M’s you have in each set.
   set R= ________ set O= ________ set BR= ________
   set G= ________ set Y= ________ set BL= ________


7. Use > or < or =, to show the relationship between these sets.

   | BR | G | Y | BR | BL | BR |
   |___|___|___|___|___|___|
   | R | Y | O | G | O | R |
   | BL| O | G | R | G | BL|

8. Do the following problems.

   | BR + O | Y + BR | G + O |
   |___|___|___|
   | BL + Y | O + R | BR + BL |
   |___|___|___|
   | G + R | BL + G | Y + O |
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9. Try these harder examples,
   \[ G + R + BR = \quad \]
   \[ (O + BL) + BR = \quad \]
   \[ Y + (G + R) = \quad \]
   \[ R \times Y = \quad \]
   \[ R \times (O + G) = \quad \]

10. Count out 15 M&M's and put them in a pile in front of you. Use them to do these problems:

   How many piles of four can you make? _______
   How many are left over? _______

   How many piles of seven can you make? _______
   How many are left over? _______

   How many piles of five can you make? _______
   How many are left over? _______

   How many piles of two can you make? _______
   How many are left over? _______

11. Put 2 M&M’s in your mouth. How many are left? _______

12. Eat four more. How many are left? _______

13. Take the rest of your M&M’s, try to make a _____ rectangle or a square.
   Can you do this? _______
   How many M&M’s did you use? _______
   Use a different number of M&M’s to make other rectangles or squares.
   Fill in the chart.
   
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   Can you see a pattern? _______
   Describe the pattern. ____________________________
M&M Sorting

- Red
- Orange
- Yellow
- Blue
- Green
- Brown

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**M&M Graph**

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<th>ORANGE</th>
<th>YELLOW</th>
<th>RED</th>
<th>BLUE</th>
<th>GREEN</th>
<th>BROWN</th>
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To go deeper, find the full curriculum at Shop4-H.org/AfterschoolAg