

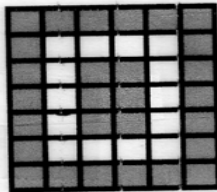
# Herndon Middle School

## Rising 8th Grade Mathematics Packet: Summer 2009



**Dear Students:** The purpose of this packet is to review 7th grade concepts as you look forward to 8th grade mathematics next year at HMS. Please show all of your work for each problem. For completing this math packet, with all work shown, you can earn bonus points. The math packet is due by the end of the first week in September, 2009.

### July 2009

Monday	Tuesday	Wednesday	Thursday	Friday
<p>29-Jun</p> <p>What is a coefficient?</p>	<p>30-Jun</p> <p>Rearrange the following integers from greatest to least: 4, -15, -11, 13, -1</p>	<p>1</p> <p>The highest elevation of any point on earth is Mt. Everest, which is 29,028 ft above sea level. The Dead Sea is the lowest at 1,290 ft below sea level. What is the difference in elevations between these two locations?</p>	<p>2</p> <p>Samantha has \$688.52 in her checking account. If she makes a withdrawal of \$127.78, what will be the new balance in her checking account</p>	<p>3</p> <p>What part of the diagram is shaded? Give answer as a decimal.</p> 
<p>6</p> <p>Simplify: <math>\frac{2}{3} \cdot \frac{5}{9}</math></p>	<p>7</p> <p>What is: <math>8 \div \frac{4}{5}</math></p>	<p>8</p> <p>Simplify: <math>6\frac{5}{12} + 8\frac{5}{8}</math></p>	<p>9</p> <p>What is: <math>9\frac{3}{4} - 2\frac{15}{16}</math></p>	<p>10</p> <p>The towns of Clifton, Derby, and Edgewater are located in an east/west straight line. Clifton is located <math>9\frac{2}{5}</math> miles east of Derby. Edgewater is located <math>23\frac{3}{4}</math> miles west of Derby. How far apart are Clifton and Edgewater?</p>