

**4<sup>th</sup> Grade ISAT Integration**

**MATH**

<b>MATH FOCUS</b>	<i>ISAT Sample Items—Use as models to create math challenges.</i>
<p><b>Operations and Probability</b></p>	<p>What is the value of 6 in 5,360?            Which is equal to <math>7 \times 8</math>?            Which number sentence is true?            Which is correct (numbers with greater than symbol).            Ms. Fields needs 30 cupcakes. There are 4 in each package.            How many does she need to get?            Lee collected 489 rocks. Sue collected 100 fewer rocks than Lee.            How many rocks did Su collect?            The average song is 3 minutes long. How many songs can be played in 16 minutes?</p>
<p><b>Fractions</b>  <b>Decimals and percentages</b></p>	<p>There are 32 students in a class. There are 13 girls in the class.            What fractional part of the class is boys?</p> <p>Tim’s mother put these cookies on a pate. Tim takes one cookie without looking. Which will he most likely get?</p> <p>Sally put these shapes in a box. She dropped the box. One shape fell out. What is the probability that a ball fell out?</p>
<p><b>Algebraic Thinking</b></p>	<p>Raj earns 5 points for each question he answers correctly. <math>p</math> is the number of questions Raj has correct. What is the total number of points Raj earns?            Which is true if <math>b = 5</math>?</p> <p>What is the value of <math>M</math>?            Raj earns 5 points for each correct answer. Raj gets <math>p</math> correct answers. Which gives the total number of points he earns?</p>
<p><b>Analyzing Graphs and Data</b></p>	<p>Tom saves the same amount of money each week. How much money will Tom save by week 4?</p> <p>This graph shows how many students ride bikes to school. Whose class has the most students who ride bikes to school?</p> <p>John’s class voted on games they like to play. Which two games got the most votes?</p> <p>Which statement is true about the data in the table?</p>
<p><b>Geometry</b></p>	<p>What is the volume of this shape?</p> <p>How many faces does a rectangular prism have in all?</p> <p>Which shape has only 1 line of symmetry?</p> <p>The hexagon is cut by the line <math>m</math>. what is the shape of each piece after it is cut?</p> <p>Exactly how many right angles and vertices does a rectangle have?</p>
<p><b>Measurement</b></p>	<p>Use your inch ruler to help you answer this question. How long is the line segment <math>MN</math>?</p> <p>Ben is <math>1 \frac{1}{2}</math> years old. How many months are equal to <math>1 \frac{1}{2}</math> years?</p>