

### 3<sup>rd</sup> Grade ISAT Integration MATH

<b>MATH FOCUS</b>	<i>ISAT Sample Items—Use as models to create math challenges.</i>
<p><b>Number Value and Operations</b></p>	<p>Lee collected 489 rocks for his science project. Sue collected 100 fewer rocks than Lee. How many rocks did Su collect?</p> <p>Ed has 19 eggs. He has 2 empty egg cartons. Each carton can hold 12 eggs. How many more eggs does Ed need to fill the 2 egg cartons?</p> <p>What number goes in the box to make the number sentence true?  <math>5 \times 6 = 30</math>. <math>50 \times 6 = \underline{\hspace{2cm}}</math></p> <p>What number goes in the box to make this number sentence true?  <math>12 - \underline{\hspace{1cm}} = 3</math>.</p> <p>Look at the pattern. 82, 88 94, <u>   </u>, 106, 112. What is the missing number?            Which has <math>\frac{1}{3}</math> shaded?</p>
<p><b>Operations and Knowledge of Time and Money</b></p>	<p>John buys 2 notebooks. Each notebook costs \$1.80. John gives the clerk \$5.00. How much changes does he get?            A month ends on a Tuesday. On what day does the next month begin?            Tom buys 5 toy cars. Each car costs \$0.98. Which shows how much money Tom needs?</p>
<p><b>Analyzing Graphs and Data and probability</b></p>	<p>What number pair shows the location of the square?</p> <p>A class votes for their favorite kinds of books. How many more students voted for books about adventures than books about sports?</p> <p>A class makes a chart about what kind of pets they have. The class has 24 students. How many students have a cat for a pet?</p> <p>The chart shows the shoe size for six students. What is the mode for the data in the chart?</p> <p>Dan will spin the arrow many times. The arrow is least likely to stop on <u>   </u>. (Circle with colored sections and spinner.)</p> <p>Holly throws a penny in the air 100 times. The penny falls on the table each time. How many times will the penny probably show tails?</p>
<p><b>Geometry</b></p>	<p>What is the area of this figure?            What is the perimeter of this square?            How many sides does a hexagon have?            Which has exactly one vertex?            Which shows only a flip across the line?            Which lines look parallel?            Which shapes look congruent?</p>
<p><b>Measurement</b></p>	<p>Use your centimeter ruler. What is the length of this crayon in centimeters?</p> <p>How many oranges equal the same weight as one cube?</p> <p>What is the distance from point M to point N? (on a number line)</p>