



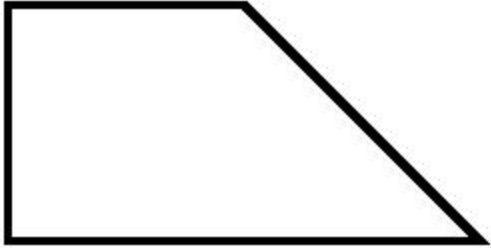
6th Grade “I Can Statements” Math

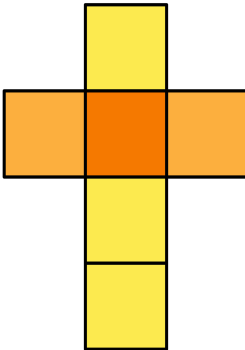
Parents,

These are the skills that your 6th grader should master in the first nine weeks of school.

Math

| Standard | “I Can Statement” |
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| 6.NS.1 | <p>I can plot, label, and identify fractions on a number line.</p> <p>I can add, subtract, and multiply fractions with whole numbers and fractions (with like and unlike denominators). Ex: $\frac{1}{3} + \frac{4}{6}$, $6 - \frac{3}{4}$, $(\frac{2}{3}) \times (\frac{3}{6})$</p> <p>I can add, subtract, and multiply mixed numbers.</p> <p>I can convert fractions to decimals and decimals to fractions.</p> <p>I can divide a fraction by a fraction and interpret what the quotient means.</p> <p>I can solve word problems involving division of fractions by fractions. Ex: How many $\frac{3}{4}$ cup servings are in $\frac{2}{3}$ of a cup of yogurt? How much chocolate will each person get if 3 people share $\frac{1}{2}$ lb of chocolate equally?</p> |
| 6.NS.2 | <p>I can fluently divide multi-digit numbers. Ex: How many thirty-twos are in 8456?</p> |
| 6.NS.3 | <p>I can fluently add multi-digit decimals. Ex: $72.63 + 4.875$</p> <p>I can fluently subtract multi-digit decimals. Ex: $177.3 - 72.635$</p> <p>I can fluently multiply multi-digit decimals. Ex: 72.3×4.87</p> |

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| | <p>I can fluently divide multi-digit decimals. Ex: $14.28 \div 0.68$</p> |
| 6.NS.4 | <p>I can find the greatest common factor of two whole numbers less than or equal to 100. Ex: What is the greatest common factor (GCF) of 18 and 24?</p> <p>I can find the least common multiple of two whole numbers less than or equal to 12. Ex: What is the least common multiple (LCM) of 12 and 8?</p> |
| 6.G.1 | <p>I can calculate the area of triangles and quadrilaterals when given base and height.</p> <p>I can calculate base or height when given the area of a triangle or quadrilateral.</p> <p>I can find the area of polygons by composing them into rectangles or dividing them up into triangles and other shapes.</p>  <p>Ex: This trapezoid can be divided into a rectangle and a triangle. To find the total area, add the area of the rectangle and the area of the triangle.</p> <p>I can solve real world problems using area. Ex: The lengths of the sides of a bulletin board are 4 feet by 3 feet. How many index cards measuring 4 inches by 6 inches would be needed to cover the board?</p> |
| 6.G.2 | <p>I can calculate volume after packing a rectangular prism with unit cubes. Ex: A right rectangular prism has edges of $1\frac{1}{4}$ inches, 1 inch, and $1\frac{1}{2}$ inches. How many cubes with side lengths of $\frac{1}{4}$ inch would be needed to fill the prism?</p> <p>I can use the formula $V = lwh$ or $V=Bh$ to calculate the volume of a right rectangular prism where $B = \text{area of the base}$, $B=lw$.</p> |

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| | <p>Ex: To find the volume of the previous example using the formula: $V=lwh$ $V=(1\frac{1}{4})(1)(1\frac{1}{2})$</p> |
| <p>6.G.4</p> | <p>I can match two dimensional nets with corresponding three dimensional figures.</p>  <p>Ex: The above diagram is a 2 dimensional net of a 3 dimensional cube.</p> <p>I can draw nets when given the name of a three-dimensional figure.</p> <p>I can calculate the surface area of a 3 dimensional figure using the 2 dimensional net.</p> <p>I can solve real world problems using nets and surface area. Ex: How much wrapping paper will I need to wrap a box that has the following dimensions: length = 8 inches, width= 10 inches, and height = 12 inches?</p> |
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