ISTAR Grade 6 Mathematics Performance Level Descriptors (PLDs)

Developing Proficiency	Meeting Proficiency	Exceeding Proficiency
A student performing at a **Developing Proficiency** level demonstrates emerging skills in introductory mathematics concepts and vocabulary. The student is able to solve simple problems when provided graphic support. He/she is able to:	A student performing at a **Meeting Proficiency** level demonstrates proficient skills in basic mathematics concepts and vocabulary. The student is able to solve simple problems without graphic support and more difficult problems with graphic support. He/she has all the knowledge and skills shown under Developing Proficiency and is also able to:	A student performing at an **Exceeding Proficiency** level demonstrates exemplary skills in applying basic mathematics concepts and vocabulary. The student is able to solve more difficult problems without graphic support. He/she has all the knowledge and skills shown under Developing Proficiency and Meeting Proficiency and it also able to:
Number Sense and Computation: • identify positive and negative numbers on a number line. • identify that basic equivalencies (e.g. ½ = 0.5 = 50%) can be represented with decimals, fractions, and percents, given graphic support. • identify a unit rate in a real-world problem. • divide whole numbers with dividends up to 10.	**Number Sense and Computation:** • plot positive and negative numbers on a number line. • identify that basic equivalencies can be represented with decimals, fractions, and percents. • identify unit rate in a real world problem and use unit rate to solve problems. • divide whole numbers with dividends up to 50.	**Number Sense and Computation:** • compare positive and negative numbers on a number line. • find equivalencies among fractions, decimals, and percents. • calculate unit rate in a real world problem and use unit rate to solve problems. • divide whole numbers with dividends up to 100.
Algebra and Functions: • identify amounts that are "more" or "less" given a real-world problem. • identify variables. • identify the commutative property. • identify a reasonable solution to a simple equation • identify the x-coordinate and y-coordinate in an ordered pair. • identify a point on the coordinate plane.	**Algebra and Functions:** • write an inequality given a real-word problem. • substitute a specified value for one variable in an expression or equation. • apply the properties of operations. • solve linear equations. • graph a point in Quadrant I on a coordinate plane.	**Algebra and Functions:** • substitute specified values for variables in expressions and equations. • manipulate expressions using properties of operations. • solve linear equations for real-world problems. • graph a point in Quadrant II, III, or IV on a coordinate plane.
Geometry and Measurement: • solve simple conversion problems using pictures and charts (e.g., days in a week, inches in a foot). • identify attributes of different types of polygons with 6 or fewer sides.	**Geometry and Measurement:** • complete a conversion table for length and time. • identify attributes of different types of polygons with 8 or fewer sides.	**Geometry and Measurement:** • identify attributes of different types of polygons.
Data Analysis and Statistics: • identify data represented on a graph.	**Data Analysis and Statistics:** • create graphs using given data. • select a statement that matches a measure of central tendency given a graph or table.	**Data Analysis and Statistics:** • interpret data on a graph. • identify mode, mean, or spread of data in a data set.