Jasper City Schools

7th Grade Mathematics with Pre-Algebra Pacing Guide 08.14.2018

Veeksto explainamet points onthete throughon $y = mx$ g the6]on $y = mx$ functiont line; givehat are nota linears in thesurementpe and
ame t points on the ne through on $y = mx$ g the 6] on $y = mx$ function t line; give nat are not a linear s in the surement
t points on the ne through on $y = mx$ g the 6] on $y = mx$ function t line; give nat are not a linear s in the surement
the the through on $y = mx$ g the 6] on $y = mx$ function t line; give hat are not a linear s in the surement
the ne through on $y = mx$ g the 6] on $y = mx$ function t line; give nat are not a linear s in the surement
he through on y = mx g the 6] on y = mx function t line; give hat are not a linear s in the surement
on y = mx g the 6] on y = mx function t line; give nat are not a linear s in the surement
5] on y = mx function t line; give nat are not a linear s in the surement
on y = mx function t line; give nat are not a linear s in the surement
function t line; give nat are not a linear s in the surement
function t line; give nat are not a linear s in the surement
t line; give nat are not a linear s in the surement
at are not a linear s in the surement
a linear in the surement
s in the surement
s in the surement
s in the surement
surement
rº uno
oairs of
ations. [8-
unction is
h input
graph of a
ered pairs
id the
Function
in Grade
s of two
ted in a
in tables,
s). [8-F2]
,, [0 1 -]
n to model
ween two
e rate of
of the
ion of a
(x,y)
g these
raph.
nge and
nction in
models
or a table
ely the
etween
ing a
nction is
nction is
th in gradient for the second

form, convert between forms as appropriate, and assess the reasonableness of answers using mental computation and estimation strategies. [7- EE3] 10.) Use variables to represent quantities in a real-world or mathematical problem, and construct simple equations and inequalities to solve problems by reasoning about the quantities. [7-EE4] 3.) Know and apply the properties of integer exponents to generate equivalent numerical expressions. [8-EE1] 9.) Solve linear equations in one variable. [8-EE7] *1.) Compute unit rates associated with ratios of fractions, including ratios of lengths, areas, and other quantities measured in like or different units. [7-RP1] 2.) Recognize and represent proportional relationships between quantities. [7-RP2] 4.) Use square root and cube root symbols to represent solutions to equations of the form x2 = p and x3 = p, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that √2 is irrational. 5.) Use numbers expressed in the form of a single digit times an integer power of 10 to estimate very large or very small quantities, and to express how many times as much one is than the other. [8-EE3] 6.) Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation and choose units of appropriate size for measurements of very large or very small quantities (e.g., use millimeters per year for seafloor spreading). Interpret scientific notation that has been generated by technology. [8-EE4]	 constructing triangles from three measures of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle, or no triangle. [7-G2] 13.) Describe the two-dimensional figures that result from slicing three-dimensional figures, as in plane sections of right rectangular prisms and right rectangular pyramids. [7-G3] 14.) Know the formulas for the area and circumference of a circle, and use them to solve problems; give an informal derivation of the relationship between the circumference and area of a circle. [7-G4] 16.) Verify experimentally the properties of rotations, reflections, and translations: [8-G1] 17.) Understand that a two dimensional figure is congruent to another if the second can be obtained from the first by a sequence of rotations, reflections, and translations; given two congruent figures, describe a sequence that exhibits the congruence between them. [8-G2] 18.) Describe the effect of dilations, translations, rotations, and reflections on two-dimensional figures using coordinates. [8-G3] 	sample to draw inferences about a population with an unknown characteristic of interest. Generate multiple samples (or simulated samples) of the same size to gauge the variation in estimates or predictions. [7-SP2] 19.) Informally assess the degree of visual overlap of two numerical data distributions with similar variability's, measuring the difference between the centers by expressing it as a multiple of a measure of variability. [7-SP3] 20.) Use measures of center and measures of variability for numerical data from random samples to draw informal comparative inferences about two populations. [7-SP4] 28.) Understand that patterns of association can also be seen in bivariate categorical data by displaying frequencies and relative frequencies in a two-way table. Construct and interpret a two-way table summarizing data on two categorical variables collected from the same subjects. Use relative frequencies calculated for rows or columns to describe possible association between the two variables. [8-SP4]	 exhibits the qualitative features of a function that has been described verbally. [8-F5] 19.) Understand that a two dimensional figure is similar to another if the second can be obtained from the first by a sequence of rotations, reflections, translations, and dilations; given two similar two-dimensional figures, describe a sequence that exhibits the similarity between them. [8-G4] 21.) Explain a proof of the Pythagorean Theorem and its converse. [8-G6] 22.) Apply the Pythagorean Theorem to determine unknown side lengths in right triangles in real-world and mathematical problems in two and three dimensions. [8-G7] 23.) Apply the Pythagorean Theorem to find the distance between two points in a coordinate system. [8-G8]

Power Standards*

*The standards that are essential for student grade-level success. They represent those standards teachers will spend the most time emphasizing.