6th Grade Math Lesson Plans

The Number System (NS)

1. **Apply and extend previous understandings of multiplication and division to divide fractions by fractions.**

Lesson 7 - Divide with Fractions

Standard: 6.NS.A.1 Interpret and compute quotients of fractions, and solve contextual problems involving division of fractions by fractions (e.g., using visual fraction models and equations to represent the problem is suggested). *For example, create a story context for (2/3) ÷ (3/4) and use a visual fraction model to show the quotient; use the relationship between multiplication and division to explain that (2/3) ÷ (3/4) = 8/9 because 3/4 times 8/9 is 2/3 ((a/b) ÷ (c/d) = ad/bc.) Further example: How much chocolate will each person get if 3 people share 1/2 lb of chocolate equally? How wide is a rectangular strip of land with length 3/4 mi and area 1/2 square mi?*

Vocabulary:

Reciprocal, numerator, denominator, multiply fractions, whole number over 1, mixed number, mixed number to improper and back, simplified fractions, divisibility rules, area formula, substitution to solve for width or length,multiplicative inverse

Unit 2 Map -

Hook/Pirate Strategy:

https://www.youtube.com/watch?v=nMZJKGyu-Kk : with tik tok motions
https://wes.nwcomplex.org/apps/video/watch.jsp?v=120450 - flocabulary song
https://www.youtube.com/watch?v=8Tv7WunDsLg (Song Nay Nay)

PPT/Nearpod:

Red Book Reciprocal/KCF Nearpod, Red Book Word Problems Nearpod, Practice Problems Nearpod, Fraction Review

Dividing fractions Review PPT:
https://www.dropbox.com/home/Math%20-%20Fractions?preview=Dividing+Fractions+Review+-+Powerpoint.pptx#

Lesson 7 Part 1 Nearpod from Orange Book
Lesson 7 Part 2 Nearpod from Orange Book

Activities:

Division of Fractions review Sheet:
https://docs.google.com/document/d/17bNPeHCqaIdEkOQYqYNv8Z64WydIrpfCeBBBx4jtGoA/edit?usp=sharing

Division of Fractions review Sheet:
https://docs.google.com/document/d/19ic7oxrKRaVzVRWcb7vfzdIRvbnXHoRUB0aUOZtRiBk/edit?usp=sharing

Division of Fractions Google Form Review:
https://docs.google.com/forms/d/1sLlcJTAxM5tkCgMn5hapct5IJ0Z-Zfwucb3lc8nODl4/edit?usp=sharing

Fractions Review Game- ZONK

Doodle Notes: Dividing Fractions

Formative Assessment:

2. **Compute fluently with multi-digit numbers and find common factors and multiples.**

Lesson 8 - Divide Multi-Digit Numbers

Standard: 6.NS.B.2 Fluently divide multi-digit numbers using a standard algorithm.

Vocabulary:

Multiply whole number, divide, subtract, place value line up, The house/bracket, Partial Quotient, divisor, dividend, quotient

Hook/Pirate Strategy:

Long Division Song - youtube

PPt/Nearpod:

https://nearpod.com/library/preview/lesson-L53355531

Lesson 8 Nearpod from Orange Book

Activities:

Division of Fractions Review

Division of Fractions Review Google Form

Doodle Notes:

Long Division

Formative Assessment:

Lesson 8 retake 1

Combined 7/8 Quiz

Lesson 9 - add and subtract

Lesson 10- multiply and divide

Standard: 6.NS.B.3 Fluently add, subtract, multiply, and divide multi-digit decimals using a standard algorithm for each operation.

Vocabulary: whole numbers, answer reasonableness, decimal place value, annex a zero (place holder), divisibility rules, estimate

Hook/Pirate Strategy:

Song:

Adding and Subtracting Decimals Song - youtube

PPT/Nearpod:

https://share.nearpod.com/e/p8lnPjQpw8

Activities:

Lesson 10 - Mulitply and Divide Decimals Practice

Lesson 9 and 10 review

Add and Subtract Decimals Game

Lesson 10 Multiply and Divide Decimals Puzzle

Doodle Notes:

Adding and Subtracting Decimals

Formative Assessment:

Lesson 9 retake 1

Lesson 9 retake 2

Lesson 11- GCF and LCM

Standard: 6.NS.B.4 Find the greatest common factor of two whole numbers less than or equal to 100 and the least common multiple of two whole numbers less than or equal to 12. Use the distributive property to express a sum of two whole numbers 1–100 with a common factor as a multiple of a sum of two whole numbers with no common factor. For example, express 36 + 8 as 4 (9 + 2).

Vocabulary:

GCF, LCM, factor, multiple, divisibility rules, Ladder Method,distributive property,

Hook/Pirate Strategy:

Father of the Bride Hot Dog Scene

PPT/Nearpod:

Activities:

GCF and LCM practice

GCF and LCM practice 102-111

GCF and LCM scavenger Hunt

GCF and LCM Pumpkin Activity

GCF and LCM Pumpkin Activity Answer Record Sheet

GCF and LCM Tic Tac Toe

GCF and LCM book practice

Doodle Notes:

Greatest Common Factor

Least Common Multiple

GCF and Distributive Property

Formative Assessment:

3. **Apply and extend previous understandings of numbers to the system of rational numbers.**

Lesson 12- Understand Positive and Negative Numbers

Standard: 6.NS.C.5 Understand that positive and negative numbers are used together to describe quantities having opposite directions or values (e.g., temperature above/below zero, elevation above/below sea level, credits/debits, positive/negative electric charge); use positive and negative numbers to represent quantities in real world contexts, explaining the meaning of 0 in each situation

Vocabulary:

Positive/Negative Number, ascend, descend, profit, deposit, debt, elevation, number line, opposites, absolute value, horizontal, vertical, sea level

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 12 Nearpod from Orange Book
Understanding Positive and Negative Numbers PPT notes Key
Understanding Positive and Negative Numbers PPT notes
Understanding Positive and Negative Numbers PPT
Opposite of an Opposite PPT

Activities:

Doodle Notes:

Integers and their Opposites

Formative Assessment:

Lesson 12- Integers and opposites practice

Standard: 6.NS.C.6 Understand a rational number as a point on the number line. Extend number line diagrams and coordinate axes familiar from previous grades to represent points on the line and in the plane with negative number coordinates

Vocabulary:

Rational Numbers, Coordinate Plane, x-axis, y-axis, quadrants, origin, distance, ordered pairs/coordinate pairs

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 12 Nearpod from Orange Book

Activities:

Lesson 12 Identifying Pos and Neg Numbers pg. 112-115

Lesson 12 - pg. 112-117

Doodle Notes:

Formative Assessment:

Lesson 12 quiz retake 1

Lesson 12 - Understand Positive and Negative Numbers

Standard: 6.NS.C.6 a. Recognize opposite signs of numbers as indicating locations on opposite sides of 0 on the number line; recognize that the opposite of the opposite of a number is the number itself. For example, $-(-3) = 3$, and that 0 is its own opposite.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Activities:

Doodle Notes:

Comparing and ordering integers

Formative Assessment:

Lesson 14 - Coordinate Plane

Standard: 6.NS.C.6 b. Understand signs of numbers in ordered pairs as indicating locations in quadrants of the coordinate plane; recognize that when two ordered pairs differ only by signs, the locations of the points are related by reflections across one or both axes.

Vocabulary: quadrants, negatives, positives, ordered pairs/coordinate pairs

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 14 Nearpod from Orange Book

Lesson 14 Nearpod from Orange Book

Activities:

Lesson 14 Coordinate Plane pg. 121-126

Lesson 14 Coordinate Plane pg. 128 -133

Lesson 14 Coordinate Plane pg. 134 - 137

Lesson 14 Coordinate Plane pg. 138-139

Doodle Notes:

Coordinate Plane

Formative Assessment:

Lesson 14 -Retake

Coordinate Plane Review

Lesson 14 - Coordinate Plane

Standard: 6.NS.C.6 c. Find and position integers and other rational numbers on a horizontal or vertical number line diagram; find and position pairs of integers and other rational numbers on a coordinate plane.

Vocabulary: location, distance, graph or plot

Hook/Pirate Strategy:

Coordinate Plane Song- 4 quadrants

PPT/Nearpod:

Lesson 14 Nearpod from Orange Book

Activities:

Doodle Notes:

Formative Assessment:

Lesson 13 - Absolute Value and Ordering Numbers

Standard: 6.NS.C.7 Understand ordering and absolute value of rational numbers.

Vocabulary:

Absolute Value, Symbol, Number Line Relationships, Distance on a number line

Hook/Pirate Strategy:

Integers/Absolute Value Song

PPT/Nearpod:

Lesson 14 Nearpod from Orange Book

Activities:

Doodle Notes:

Absolute value

Formative Assessment:

Lesson 13 - Absolute Value and Ordering Numbers

Standard: 6.NS.C.7 a. Interpret statements of inequality as statements about the relative position of two numbers on a number line diagram. For example, interpret $-3 > -7$ as a statement that -3 is located to the right of -7 on a number line oriented from left to right.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 13 Nearpod form Orange Book

Activities:

Lesson 13 Absolute Value and Ordering Numbers pg. 118-121

Lesson 13 Ordering Pos and Neg Numbers pg. 122-123

Lesson 13 Ordering Pos and Neg Numbers pg. 124- 125

Doodle Notes:
Formative Assessment:
Absolute Value iready practice

Lesson 13 - Absolute Value and Comparing Numbers

Standard: 6.NS.C.7 b. Write, interpret, and explain statements of order for rational numbers in real-world contexts. For example, write −3 oC > −7 oC to express the fact that −3 oC is warmer than −7 oC.
Vocabulary: sea level, above/below zero
Hook/Pirate Strategy:
PPT/Nearpod:
Lesson 13 Nearpod form Orange Book
Activities:
Christmas shapes ordering rational numbers
Doodle Notes:
Formative Assessment:
Lesson 13- Absolute Value NS.C.7 iready Practice Problems

Lesson 13 - Absolute Value and Ordering

Standard: 6.NS.C.7 c. Understand the absolute value of a rational number as its distance from 0 on the number line and distinguish comparisons of absolute value from statements about order in a real-world context. For example, an account balance of -24 dollars represents a greater debt than an account balance - 14 dollars because -24 is located to the left of -14 on the number line
Vocabulary:
Hook/Pirate Strategy:
PPT/Nearpod:
Activities:
Doodle Notes:
Formative Assessment:

Lesson 13 retake 1
Lesson 13 Quiz - Google Form

4. **Apply and extend previous understandings of numbers to the system of rational numbers.**

Lesson 14 - The Coordinate Plane

Standard: 6.NS.C.8 Solve real-world and mathematical problems by graphing points in all four quadrants of the coordinate plane. Include use of coordinates and absolute value to find distances between points with the same first coordinate or the same second coordinate.

Vocabulary:

quadrants, x-axis, y-axis, quadrant I, movement of quadrants, origin, axis, crosspoint, number line labeling, run-> jump, plotting

Hook/Pirate Strategy:

PPT/Nearpod:

Activities:

Graphing Review Game- Zonk

Doodle Notes:

Formative Assessment:

Ratios and Proportional Relationships (RP)

5. **Understand ratio concepts and use ratio reasoning to solve problems.**

Lesson 1- Ratios

Standard: 6.RP.A.1 Understand the concept of a **ratio** and use **ratio language** to describe a ratio relationship between two quantities. *For example, the ratio of wings to beaks in a bird house at the zoo was 2:1, because for every 2 wings there was 1 beak. Another example could be for every vote candidate A received, candidate C received nearly three votes*

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod: https://nearpod.com/library/preview/lesson-L740610 **Types of Ratio Part/Part, Part/Whole**

Activities:

Lesson 1- Ratios pg. 2-7

Doodle Notes:

Ratios

Formative Assessment:

Lesson 1 - Exit Ticket

Lesson 1 Retake

Lesson 1 Retake 3

Lesson 2- Unit Rate

Standard: Understand the concept of a unit rate a/b associated with a ratio a:b with b ≠ 0. Use rate language in the context of a ratio relationship. For example, this recipe has a ratio of 3 cups of flour to 4 cups of sugar, so there is 3/4 cup of flour for each cup of sugar. Also, we paid $75 for 15 hamburgers, which is a rate of $5 per hamburger.

Vocabulary:

Hook/Pirate Strategy:
PPT/Nearpod:

Activities:

Lesson 2 Around the Room activity
Lesson 2 Around the Room answer sheet
Lesson 2 - Unit Rate pg. 10 - 13

Doodle Notes:

Unit Rate

Formative Assessment:

Lesson 2 Retake 1

Lesson 1/2- Ratios and Unit Rate

Standard: 6.RP.A.3 Use ratio and rate reasoning to solve real-world and mathematical problems (e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations).

Vocabulary:
Hook/Pirate Strategy:
PPT/Nearpod:
Activities:

Ratio/Rate Digital Task Cards

Doodle Notes:
Formative Assessment:

Lesson 3- Equivalent Ratios

Standard: 6.RP.A.3 a. Make tables of equivalent ratios relating quantities with whole number measurements, find missing values in the tables, and plot the pairs of values on the coordinate plane. Use tables to compare ratios.

Vocabulary:
Hook/Pirate Strategy:
PPT/Nearpod:
Lesson 4 Nearpod from Orange Book

https://nearpod.com/t/math/8th-grade/ratio-tables-L35517359

Activities:

Equivalent Ratios Task Cards

Lesson 3 Equivalent Ratios pg. 16-23

Doodle Notes:

Equivalent Ratio Tables

Formative Assessment:

Lesson 3 Retake 1

Lesson 3 Retake 2

Lesson 4 - Solve Problems Using Unit Rate

Standard: 6.RP.A.3 b. Solve unit rate problems including those involving unit pricing and constant speed. For example, if a runner ran 10 miles in 90 minutes, running at that speed, how long will it take him to run 6 miles? How fast is he running in miles per hour?

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 4 Nearpod from Orange Book

Activities:

Lesson 4 - Solve Problems Using Unit Rate pg. 26-29

Lesson 4 - Solve Problems Using Unit Rate pg. 30-35

Doodle Notes:

Formative Assessment:

Lesson 4 - Retake 1

Lesson 4- Retake 2

Lesson 5 - Problems with Percent

Standard: 6.RP.A.3 c. Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity); solve problems involving finding the whole, given a part and the percent.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 5 Nearpod from Orange Book

Activities:

Ratio Review Jeopardy Game

Lesson 5 Question 5 Practice

Solve Problems with Percent

Doodle Notes:

Percent of a Number

Percent Proportion

Formative Assessment:

Lesson 4 - Solve Problems Using Unit Rate

Standard: 6.RP.A.3 d. Use ratio reasoning to convert customary and metric measurement units (within the same system); manipulate and transform units appropriately when multiplying or dividing quantities.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod: Lesson 4 Nearpod from Orange Book

Activities:

Solve Problems with Unit Rate Practice

Doodle Notes:

Converting Between Measurement Systems

Formative Assessment:

Unit Assessment Form B

Expressions and Equations (EE)

6. **Apply and extend previous understandings of arithmetic to algebraic expressions.**

Standard: 6.EE.A.1 Write and evaluate numerical expressions involving whole-number exponents.

Vocabulary:

Repeated addition, evaluate, expression, exponent, base, squared, cubed, expanded, standard, exponential form

Hook/Pirate Strategy:

PPT/Nearpod:

https://nearpod.com/library/preview/lesson-L32767092

Order of Operations

Lesson 15 Nearpod from Orange Book

Order of Operations Nearpod

Activities:

Order of Operations Review Game- Zonk

Doodle Notes:

Exponents

Order of Operations

Formative Assessment:

Standard: 6.EE.A.2 Write, read, and evaluate expressions in which variables stand for numbers.

Vocabulary:

sum, term, difference, product, factor, coefficient, base, less than vs less, order of operations, quantity, variable, juxtapositions of multiplication

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 16 Nearpod from Orange Book

Activities:

Doodle Notes:

Formative Assessment:

Standard: 6.EE.A.2 a. Write expressions that record operations with numbers and with variables. For example, express the calculation "Subtract y from 5" as 5 - y.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Activities:

Doodle Notes:

Writing Algebraic Expressions

Evaluating Algebraic Exprssions

Formative Assessment:

Standard: 6.EE.A.2 b. Identify parts of an expression using mathematical terms (sum, term, product, factor, quotient, coefficient); view one or more parts of an expression as a single entity. For example, describe the expression 2 (8 + 7) as a product of two factors; view (8 + 7) as both a single entity and a sum of two terms.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Activities:

Doodle Notes:

Combining Like Terms

Formative Assessment:

Standard: 6.EE.A.2 c. Evaluate expressions at specific values of their variables. Include expressions that arise from formulas used in real-world problems. Perform arithmetic operations, including those involving whole number

exponents, in the conventional order when there are no parentheses to specify a particular order (Order of Operations).

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Activities:

Doodle Notes:

Solving One-Step Equations addition and subtraction

Solving One-step equations multiplication and division

Formative Assessment:

Standard: 6.EE.A.3 Apply the properties of operations (including, but not limited to, commutative, associative, and distributive properties) to generate equivalent expressions. The distributive property is prominent here. For example, apply the distributive property to the expression 3 (2 + x) to produce the equivalent expression 6 + 3x; apply the distributive property to the expression 24x + 18y to produce the equivalent expression 6 (4x + 3y); apply properties of operations to y + y + y to produce the equivalent expression 3y.

Vocabulary:

associative property, commutative property, distributive property, ladder method, like terms

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 17 Nearpod

Activities:

Doodle Notes:

Properties

Formative Assessment:

Standard: 6.EE.A.4 Identify when expressions are equivalent (i.e., when the expressions name the same number regardless of which value is substituted into them). For example, the expression 5b + 3b is equivalent to (5 +3) b, which is equivalent to 8b.

Vocabulary:

equivalent expressions, like terms, properties, substitute

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 17 Nearpod

Activities:

Doodle Notes:

Formative Assessment:

7. **Reason about and solve one-variable equations and inequalities.**

Standard: 6.EE.B.5 Understand solving an equation or inequality is carried out by determining if any of the values from a given set make the equation or inequality true. Use substitution to determine whether a given number in a specified set makes an equation or inequality true.

Vocabulary:

substitution, greater than, less than, inequalities, combining integers

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 18 Nearpod from Orange Book

Activities:

Doodle Notes:

Formative Assessment:

Standard: 6.EE.B.6 Use variables to represent numbers and write expressions when solving a real-world or mathematical problem; understand that a

variable can represent an unknown number, or, depending on the purpose at hand, any number in a specified set.

Vocabulary:

Substitution, inequalities, inverse operation,variable as unknown

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 19 Nearpod from Orange Book

Activities:

Doodle Notes:

Formative Assessment:

Standard: 6.EE.B.7 Solve real-world and mathematical problems by writing and solving one step equations of the form x + p = q and px = q for cases in which p, q, and x are all nonnegative rational numbers.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 19 Nearpod from Orange Book

Activities:

Doodle Notes:

Formative Assessment:

Standard: 6.EE.B.8 Interpret and write an inequality of the form x > c or x < c which represents a condition or constraint in a real-world or mathematical problem. Recognize that inequalities have infinitely many solutions; represent solutions of inequalities on number line diagrams.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 20 Nearpod from Orange Book

Activities:

Doodle Notes:

Writing and graphing inequalities

Formative Assessment:

8. **Represent and analyze quantitative relationships between dependent and independent variables.**

Standard: 6.EE.C.9 Use variables to represent two quantities in a real-world problem that change in relationship to one another. For example, Susan is putting money in her savings account by depositing a set amount each week (50). Represent her savings account balance with respect to the number of weekly deposits (s = 50w, illustrating the relationship between balance amount s and number of weeks w).

Vocabulary:

independent, dependent, graphing, table reading, input/output

Hook/Pirate Strategy:

PPT/Nearpod:

Lesson 21 Nearpod from Orange Book

Activities:

Equations/Inequalities Review Game- Zonk

Doodle Notes:

Dependent and Independent Variables

Formative Assessment:

Standard: a. Write an equation to express one quantity, thought of as the dependent variable, in terms of the other quantity, thought of as the independent variable.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Activities:

Doodle Notes:

Formative Assessment:

Standard: b. Analyze the relationship between the dependent and independent variables using graphs and tables, and relate these to the equation.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Activities:

Doodle Notes:

Formative Assessment:

Dot Plots

Box and Whisker Plot

Stem and Leaf Plot

Geometry (G)

9. **Solve real-world and mathematical problems involving area, surface area, and volume.**

Standard: 6.G.A.1 Find the area of right triangles, other triangles, special quadrilaterals, and polygons by composing into rectangles or decomposing into triangles and other shapes; know and apply these techniques in the context of solving real-world and mathematical problems.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

https://nearpod.com/library/preview/lesson-L1184161_surface are with nets

Activities:

Doodle Notes:

Area of Quadrilaterals

Area of Triangles

Area of Composite Figures

Formative Assessment:

Standard: 6.G.A.2 Find the volume of a right rectangular prism with fractional edge lengths by packing it with unit cubes of the appropriate unit fraction edge lengths, and show that the volume is the same as would be found by multiplying the edge lengths of the prism. Know and apply the formulas V = lwh and V = Bh where B is the area of the base to find volumes of right rectangular prisms with fractional edge lengths in the context of solving real-world and mathematical problems.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:
Activities:
Doodle Notes:
Volume

Formative Assessment:

Standard: 6.G.A.3 Draw polygons in the coordinate plane given coordinates for the vertices; use coordinates to find the length of a side that joins two vertices (vertical or horizontal segments only). Know and apply these techniques in the context of solving real-world and mathematical problems.
Vocabulary:
Hook/Pirate Strategy:
PPT/Nearpod:
Activities:
Doodle Notes:
Formative Assessment:

Standard: 6.G.A.4 Represent three-dimensional figures using nets made up of rectangles and triangles, and use the nets to find the surface area of these figures. Apply these techniques in the context of solving real-world and mathematical problems.
Vocabulary:
Hook/Pirate Strategy:
PPT/Nearpod:
Activities:
Area/Volume Review Game- Zonk
Doodle Notes:
Surface Area of Rectangular Prism

Surface Area of Prisms and Pyramids

Formative Assessment:

Statistics and Probability (SP)

10. Develop understanding of statistical variability.

Standard: 6.SP.A.1 Recognize a statistical question as one that anticipates variability in the data related to the question and accounts for it in the answers. For example, "How old am I?" is not a statistical question, but "How old are the students in my school?" is a statistical question because one anticipates variability in students' ages.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Activities:

Doodle Notes:

Statistical Questions

Formative Assessment:

Standard: 6.SP.A.2 Understand that a set of data collected to answer a statistical question has a distribution which can be described by its center (mean, median, mode), spread (range), and overall shape.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

https://nearpod.com/library/preview/lesson-L32077597

https://nearpod.com/t/math/8th-grade/finding-the-average-mean-median-and-mode-68-L39863113

Activities:

Doodle Notes:

Mean

Median

Mean, Median, Mode, Range

Formative Assessment:

Standard: 6.SP.A.3 Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Activities:

Doodle Notes:

Formative Assessment:

11. **Summarize and describe distributions.**

Standard: 6.SP.B.5 Summarize numerical data sets in relation to their context.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:

Activities:

Doodle Notes:

Formative Assessment:

Standard: 6.SP.B.5 Summarize numerical data sets in relation to their context. a. Report the number of observations.

Vocabulary:

Hook/Pirate Strategy:

PPT/Nearpod:
Activities:
Doodle Notes:
Formative Assessment:

Standard: b. Describe the nature of the attribute under investigation, including how it was measured and its units of measurement.
Vocabulary:
Hook/Pirate Strategy:
PPT/Nearpod:
Activities:
Doodle Notes:
Formative Assessment:

Standard: c. Give quantitative measures of center (median and/or mean) and variability (range) as well as describing any overall pattern with reference to the context in which the data were gathered.
Vocabulary:
Hook/Pirate Strategy:
PPT/Nearpod:
Activities:
Doodle Notes:
Formative Assessment:

Standard: d. Relate the choice of measures of center to the shape of the data distribution and the context in which the data were gathered.
Vocabulary:
Hook/Pirate Strategy:
PPT/Nearpod:
Activities:
Statistics Review Game- ZONK
Doodle Notes:
Formative Assessment: