Monday 01/22/2024

7th Grade

Learning Target

Students will be able to recall information that they learned throughout chapter 5 about algebraic expressions.

Instruction

Warm Up: #70
Vocab: terms, coefficients, like terms, expression
1st Period
- 10 - 15 Review before the CH. 5 Quiz (use Ch. 5 Expressions Blooket)
- Pop Quiz (use Google Form quiz)
- when finished with the quiz, finish the 5.8 Scavenger Hunt
- rest of the time to work on study guide

3rd Period - Test Day
- take Chapter 5 test (use advanced test + supplemental test page)

8th Grade

4.6 - Constructing Functions

Learning Target

Students will be able to construct functions as well as interpreting the rate of change and initial value.

Standards

8.F.4 Construct a function to model a linear relationship

Tuesday 01/23/2024

7th Grade

Ch. 5 Review

Learning Target

Students will be able to recall information that they learned throughout chapter 5 about algebraic expressions.

Instruction

Warm Up: None
Vocab:
- Kahoot (trash can and pitching game)

2nd Period - Test Day
- take Chapter 5 test (use advanced test + supplemental test page)

8th Grade

4.6 - Constructing Functions

Learning Target

Students will be able to construct functions as well as interpreting the rate of change and initial value.

Standards

8.F.4 Construct a function to model a linear relationship between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of

Wednesday 01/24/2024

7th Grade

Ch. 5 Test

Learning Target

1st Period:
Students will be able to recall information that they learned throughout chapter 5 about algebraic expressions.
3rd Period:
Students will be able to solve addition and subtraction equations.

Instruction

Warm Up: #71
Vocab:
1st Period
- leveled tests (1A, 2A, 3A) and Supplemental Page (found in Ch. 5 folder)

3rd Period - One-Step + and - Equations
- use Quizizz Lesson
- focus on equations where students are adding or subtracting negatives, decimals, and fractions
- walk through writing equations and solving
- start on the 6.1 - 6.2 Go Formative (instant check: due Monday)

Assessment

1st Period:
None
3rd Period:
Start on 6.1 - 6.2 Go Formative (due Monday)

Thursday 01/25/2024

7th Grade

Learning Target

1st Period:
Students will be able to solve addition and subtraction equations.
3rd Period:
Students will be able to solve multiplication and division equations.

Instruction

Warm Up: #72 - Talk About It Thursday
Vocab: Subtraction and Addition Property of Equality
1st Period
- Ch. 5 Test
- last day to finish taking the test

3rd Period - One-Step Mult. and Division Equations
- Quizizz lesson over multiplication and division equations
- discuss how to write equations using real world scenarios
- time to work on on homework (finish the 6.1 and 6.2 Go Formative)

Assessment

1st Period:
Start on 6.1 Go Formative (due Tuesday)
3rd Period:

Friday 01/26/2024

No School Day

No School Day

between two quantities. Determine the rate of change and initial value of the function from a description of a relationship or from two (x, y) values, including reading these from a table or from a graph. Interpret the rate of change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values.

Instruction

Warm Up: #72
Vocab: rate of change
4th Period
- check over Got It ?'s
- We Do: 4.6 Class Practice Flipchart (on scratch paper)
- They Do: Independent Practice p. 323 - 324 (1 - 6)

6/7th Period
- Class Practice: #3 on p. 314 and #5 on p. 316
- 4.5 Escape Room

Assessment

4th Period:
4.6 Writing Linear Equations Activity (due Wednesday)
6/7th Period:
Comparing Functions Escape Room

Writing Linear Equations Google Slides Activity

change and initial value of a linear function in terms of the situation it models, and in terms of its graph or a table of values.

Instruction

Warm Up: #73
Vocab: rate of change
4th Period
check over #12 on page 325
check over and discuss Independent Practice (pick students to walk through it)
- review what rate of change and initial value stand for
- Pop Quiz: 4.5 - 4.6 Quiz (Comparing Functions Google Form Quiz)

6/7th Period
- check over Got It ?'s
- We Do: 4.6 Class Practice Flipchart (on scratch paper)
- They Do: Independent Practice p. 323 - 324 (1 - 6)

Assessment

4th Period:
None
6/7th Period:
4.6 Writing Linear Equations Activity (due Thursday)

8th Grade

4.7 - Linear and Non-linear Functions

Learning Target

Students will be able to determine whether a function is linear or nonlinear.

Standards

8.F.1 Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.

8.F.3 Interpret the equation y = mx + b as defining a linear function, whose graph is a straight line; give examples of functions that are not linear. For example, the function A = s^2 giving the area of a square as a function of its side length is not linear because its graph contains the points (1,1), (2,4) and (3,9), which are not on a straight line.

8.F.5 Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the qualitative features of a

Finish 6.1 - 6.2 Go Formative

8th Grade

4.7 - Linear & Nonlinear Functions

Learning Target

Students will be able to determine whether a function is linear or nonlinear.

Standards

8.F.1 Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output.

8.F.3 Interpret the equation y = mx + b as defining a linear function, whose graph is a straight line; give examples of functions that are not linear. For example, the function A = s^2 giving the area of a square as a function of its side length is not linear because its graph contains the points (1,1), (2,4) and (3,9), which are not on a straight line.

8.F.5 Describe qualitatively the functional relationship between two quantities by analyzing a graph (e.g., where the function is increasing or decreasing, linear or nonlinear). Sketch a graph that exhibits the

function that has been described verbally. **Instruction** **Warm Up: #74** **Vocab: nonlinear functions** ***4th Period*** - Writing and Comparing Functions (Formative - Class Practice): commonly missed questions on quiz, writing functions looking at tables and graphs, etc. - Discovery Lab: Linear v. Nonlinear Functions - use attached PowerPoint to discuss linear v. nonlinear, expectations for answers, how to graph using Desmos - give the students 20 minutes of work time to complete the activity ***6/7th Period*** check over #12 on page 325 check over and discuss Independent Practice (pick students to walk through it) - review what rate of change and initial value stand for - Pop Quiz: 4.5 - 4.6 Quiz (Comparing Functions Google Form Quiz) **Assessment** **4th Period:** ***Discovery Lab - What makes a function linear or not?*** **6/7th Period:** ***None***	qualitative features of a function that has been described verbally. **Instruction** **Warm Up: #75 - Talk About It Thursday** **Vocab: nonlinear functions** ***4th Period*** - Question of the Day: What makes a function linear or not? (use 4.7 Canva presentation) - talk about how to change from standard form to slope-intercept - Play Kahoot (Linear v. Nonlinear and Linear Functions) - Work on Ch. 4 study guides ***6/7th Period*** - Writing and Comparing Functions (Formative - Class Practice): commonly missed questions on quiz, writing functions looking at tables and graphs, etc. - Discovery Lab: Linear v. Nonlinear Functions - use attached PowerPoint to discuss linear v. nonlinear, expectations for answers, how to graph using Desmos - give the students 20 minutes of work time to complete the activity **Assessment** **4th Period:** ***None*** **6/7th Period:**

Attachments

LinearFunctionsandNonlinearFunctionsDiscoveryLab-1.zip

Discover Lab - What makes a function linear or not?