2023 - 2024
Mr. Nihart

01/28/2024 - 02/03/2024

Monday 01/29/2024

7th Grade

6.1 - Solving One-Step Addition and Subtraction Equation

Learning Target

1st Period:
Students will be able to solve one-step addition and subtraction equations.
3rd Period:
Students will be able to solve one step equations with rational coefficients consisting of decimals and fractions.

Instruction

Warm Up: #73
Vocab: coefficient, Subtraction and Addition Property of Equality
1st Period
- use scale example to help students balancing equations
- talk through the Got It?'s on p. 438 - 440
- I Do: Guided Practice (show expectations for work)
- We Do: 1 - 9 on p. 441 (Independent Practice), 10 - 11 p. 442
- They Do: Extra Practice (17 - 23, 26 - 28, 32 - 34, 37 - 42)
- Scanned and on Go Formative

3rd Period - Equations w/ Rational Coefficients

Tuesday 01/30/2024

7th Grade

6.1 - Solving One-Step Addition and Subtraction Equation

Learning Target

1st Period:
Students will be able to solve one-step addition and subtraction equations.
3rd Period:
Students will be able to solve one step equations with rational coefficients consisting of decimals and fractions.

Instruction

Warm Up: #74
Vocab: Subtraction and Addition Property of Equality
1st Period
- walk through 4 examples of writing equations #10, #11 (p. 442) and #23, #24 (p. 443)
- use Quizizz.com to solve 10 equations on their own
- finish 6.1 Go Formative
- homework (6.2 EDPuzzle)

3rd Period - Equations with Rational Coefficients
- 6.3 Rational Coefficients Kahoot Practice

Assessment

1st Period:
Finish 6.1 Go Formative
6.2 EDPuzzle
3rd Period:

Wednesday 01/31/2024

7th Grade

6.2 - Solving One Step Multiplication and Division Equations

Learning Target

1st Period:
Students will be able to solve one-step multiplication and division equations.
3rd Period:
Students will be able to solve two-step equations.

Instruction

Warm Up: #75
Vocab: Division and Multiplication Property of Equality
1st Period
- walk through and talk about Got It?'s
- talk about expressions and what makes them multiplication or division
- played practice Kahoot

3rd Period - Solving 2 Step Equations
- walk through examples using the 6.4 Flipchart
- use expressions from book p. 470 - 473
- use expressions from advanced book
- class practice (6 problems) - have students write down work on scratch paper for reference later

Thursday 02/01/2024

7th Grade

6.2 - Solving One Step Multiplication and Division Equations

Learning Target

1st Period:
Students will be able to solve one-step multiplication and division equations.
3rd Period:
Students will be able to solve two-step equations.

Instruction

Warm Up: #76 - Talk About It Thursday
Vocab: rational, coefficients, reciprocals
1st Period
- Real world equation Problems 6.1 - 6.2 Writing Equations
- 6.1 - 6.2 Practice Kahoot (count as a grade)

3rd Period - Solving 2 Step Equations
- play RISK to continue to work on solving two step equations
- split the class into 6 teams
- each student needs to be working out the problem on the recording sheet
- 15 problems
- any leftover time will be used to finish the 6.4 WS

Assessment

1st Period:

Friday 02/02/2024

Snow Make Up Day

7th Grade

6.3 - Solving Equations with Rational Coefficients

Learning Target

1st Period:
Students will be able to solve one step equations with rational coefficients consisting of decimals and fractions.
3rd Period:
Students will be able to write an equation when given a real-world scenario.

Instruction

Warm Up: #77
Vocab: rational, coefficients, reciprocals
1st Period
- talk through Got It?'s
- show how dividing fractions is equivalent to multiplying by its reciprocal
- I Do: Guided Practice p. 460
- We Do: 4 - 7 on Independent, partners for 1 - 3, #12 on p. 462

3rd Period - Writing Equations
- focus on writing one and two-step problems
- use Go Formative self-pacing lesson
- focus on finding key words for each operation

- use 6.3 Quizizz interactive lesson to review solving one-step equations and then go over how to solve equations with rational coefficients
- discuss how to eliminate, or cancel out, a fraction
- completed Guided Practice on Quizizz
- use 6.3 Kahoot for more classroom practice

Assessment

1st Period:
Start 6.1 Go Formative (due Wednesday)
3rd Period:
None

8th Grade

4.9 - Qualitative Graphs

Learning Target

4th Period:
Students will be able to sketch and describe qualitative graphs.
6/7th Period:
Students will be able to determine if a function is linear or nonlinear by examining its equation and graph.

Standards

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

None

8th Grade

4.9 - Qualitative Graphs

Learning Target

Students will be able to sketch and describe qualitative graphs.

Standards

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 function that has been described verbally.

Instruction

Warm Up: #77
Vocab: qualitative graph
4th Period
- talk over Extra Practice Problems
- Kahoot over Qualitative graphs
- rest of time to work on Ch. 4 Study Guide
6/7th Period
- class sort (use the sort on 4.4 flipchart)
- talk about increasing, decreasing, intervals (use Lesson 4 flipchart)
- talk/discuss the Got It ?'s on p. 348 - 350
- start working on 6.4 Practice WS (Skills Practice and Problem Solving)

Assessment

1st Period:
None
3rd Period:
6.4 Practice WS (due Friday)

8th Grade

Ch. 4 Review

Learning Target

4th Period:
Students will be able to recall skills and content learned from Ch. 4 Functions.
6/7th Period:
Students will be able to sketch and describe qualitative graphs.

Instruction

Warm Up: #78
Vocab: none
4th Period
- play review game
6/7th Period
- talk over Extra Practice Problems
- Kahoot over Qualitative graphs
- rest of time to work on Ch. 4 Study Guide
- Ch. 4 Review Kahoot posted in Google Class

Assessment

None

None
3rd Period:
Finish 6.4 WS

8th Grade

Ch. 4 Test Day

Instruction

Warm Up: None
Vocab: rate of change, initial value, domain, range, function, slope-intercept form, qualitative graphs
- Ch. 4 Test Day
- Use three forms (1A, 2A, 3A)
- entire class period to take the test

Assessment

1st Period:
6.3 Completion Check
3rd Period:
None

8th Grade

5.1 - Lines (Transversals)

Learning Target

Students will discover what happens to angles when a transversal intersects two parallel lines.

Standards

8.G.5 Use informal arguments to establish facts about the angle sum and exterior angle of triangles, about the angles created when parallel lines are cut by a transversal, and the angle-angle criterion for similarity of triangles. For example, arrange three copies of the same triangle so that the sum of the three angles appears to form a line, and give an argument in terms of transversals why this is so.

Instruction

Warm Up: #79
Vocab: transversal, interior angles, exterior angles, alternate interior angles, alternate exterior angles, corresponding angles
- Print Transversal Work Packet

graph that exhibits the qualitative features of a function that has been described verbally.

Instruction

Warm Up: #76 - Linear or Not Sort
Vocab: qualitative graphs
4th Period
- class sort (use the sort on 4.4 flipchart)
- talk about increasing, decreasing, intervals (use Lesson 4 flipchart)
- talk/discuss the Got It ?'s on p. 348 - 350
- class example problems (using Piecewise Flipchart)

6/7th 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)

Assessment

4th Period:
4.9 Google Slide Activity
6/7th Period:
None

Dan Meyer 3 Act Math:
http://mrmeyer.com/threeacts/joulies/

- class example problems (using Piecewise Flipchart)

Assessment

4th Period:
None
6/7th Period:
4.9 Google Slide Activity

- review what are vertical angles, congruent angles, and how to measure angles using a protractor
- Inquiry Activity (individually) with tracing paper
- redo tests with any remaining time

Assessment

Inquiry Activity (Binder)

Distance v. Time Google Slide Activity

*Piecewise Packet