

Monday 01/01/2024	Tuesday 01/02/2024	Wednesday 01/03/2024	Thursday 01/04/2024	Friday 01/05/2024
No School Day	7th Grade	7th Grade	7th Grade	7th Grade
Winter Break	5.1 - Algebraic Expressions	5.1 - Algebraic Expressions	5.4 - Distributive Property	5.4 - Distributive Property
	Learning Target <i>Students will be able to evaluate algebraic expressions when given values for the variable.</i>	Learning Target <i>Students will be able to evaluate algebraic expressions when given values for the variable.</i>	Learning Target <i>Students will be able to create equivalent expressions by using the Distributive Property.</i>	Learning Target <i>Students will be able to create equivalent expressions by using the Distributive Property.</i>
	Standards 7.EE.1 Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients. 7.EE.2 Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related. For example, $a + 0.05a = 1.05a$ means that "increase by 5%" is the same as "multiply by 1.05."	Standards 7.EE.1 Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients. 7.EE.2 Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related. For example, $a + 0.05a = 1.05a$ means that "increase by 5%" is the same as "multiply by 1.05."	Standards 7.EE.1 Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients. 7.EE.2 Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related. For example, $a + 0.05a = 1.05a$ means that "increase by 5%" is the same as "multiply by 1.05."	Standards 7.EE.1 Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients. 7.EE.2 Understand that rewriting an expression in different forms in a problem context can shed light on the problem and how the quantities in it are related. For example, $a + 0.05a = 1.05a$ means that "increase by 5%" is the same as "multiply by 1.05."
	Instruction Warm Up: #60 Vocab: algebraic expression 1st Period - Use 5.1 Quizizz Lesson - Vocabulary Start Up p. 349 - go through Examples 1 - 6 on p. 350 - 352 - students do Got It ?'s - We Do: 1 - 12 on Independent Practice - NO CALCULATORS	Instruction Warm Up: #61 Vocab: algebraic expression 1st Period - classwork on reading and writing expressions (using 5.1 Canva Presentation) - remaining time to work on 5.1 Problem Solving WS 3rd Period - Algebraic Expressions/Distributive Property	Instruction Warm Up: #62 - Talk About It Thursday Vocab: distributive property 1st Period - students get out and check over EDPuzzle Got It ?'s - We Do: Guided Practice (1 - 3) on p. 378 and (34 - 35) on p. 381 - They Do: 28 - 31 on p. 381 - Battle Royal Bloket	Instruction Warm Up: #63 Vocab: distributive property 1st Period - Think, Pair, Share: #7 - 12 (p. 379) - Quizizz (12 questions) - rest of the time to work on the homework 3rd Period - Simplifying Algebraic Expressions

3rd Period - Algebraic Expressions + Distributive Property

- Vocabulary Start Up p. 349
- Use Quizizz Lesson to teach Algebraic Expressions + Distributive Property
- Examples on p. 350 - 352 and 376 - 378
- Start on 5.1/5.4WS

Assessment

Start on 5.1 WS (due Thursday)

- class practice writing expressions and using them to solve (5.1/5.4 Canva Presentation)
- Blooket (Algebraic Expressions + Distributive Property)
- left over time to finish 5.1/5.4 WS

Assessment

Finish 5.1 WS (Due Thursday)

- rest of the time to work on Independent Practice until time to go

3rd Period - Simplifying Algebraic Expressions

- using Quizizz Lesson (5.5 + Review for Quiz)
- we do Guided Practice together
- do word problems #7 - 9, 11 - 12 p. 391 - 392
- 5.1 - 5.5 Quiz on Go Formative (last 15 minutes of class) - **DIDN'T HAVE TIME**

Assessment

1st Period:
Independent Practice p. 379 - 380 (1 - 12, 14, 21, 24) - NONE
3rd Period:
None

- play a Kahoot over simplifying algebraic expressions (combining like terms, distributive property, defining terms)
- rest of the class to take the 5.1 - 5.5 Quiz (Go Formative)

Assessment

1st Period:
5.4 Extra Practice (27 - 31, 34 - 39, 41 - 46)
3rd Period:
5.1 - 5.5 Quiz

8th Grade

4.1 - Representing Relationships

Learning Target

Students will be able to represent real world relationships by using an equation, table, and graph.

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 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

8th Grade

4.2 - Relations

Learning Target

Students will be able to understand what a relation is as well as stating the domain and range for given relations.

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.

Instruction

Warm Up: #63

Vocab: relation, domain, range

- Use Desmos Lesson (4.2 Relations)
- Start with Vocabulary Start-Up (review ordered pairs, x- and y-coordinates, quadrants)

8th Grade

4.2 - Testing Relations

Learning Target

Students will be able to test if a relation is a function or not by using various tests (mapping technique, vertical line test, etc.).

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

8th Grade

4.3 - Functions

Learning Target

Students will be able to evaluate functions with a given inputs and then find the domain and range.

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.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

Warm Up: #62

Vocab: linear equation

- walk through examples and have students complete Got It ?'s (using Desmos Lesson 4.1)
- Think, Pair, Share: Guided Practice (1 - 3) p.272
- Class Practice (Real World Linear Equations Practice) - students will practice working with relationships represented in equations, tables, and graphs
- Assign "Brother's Allowance" and "Planting a Tree" as homework

Assessment

Real World Linear Equations WS

- Teach through examples 1 - 2 using p. 278 - 279
- Students Complete Got It ?'s
- WE do Guided Practice p. 280 (1 - 2) and #5 on p. 281
- rest of the time to work on homework
- Extra Practice p. 283 - 284 (ALL)

Assessment

Extra Practice p. 283 - 284 (ALL)

and the corresponding output.

Instruction

Warm Up: #64 - Talk About It Thursday

Vocab: relation, domain, range

- find domain and range from graph (2 examples - use 4.1 flipchart)
- introduce the mapping technique and vertical line test (use Canva Presentation)
- use Function or Not Google Slides as class practice, select students one at a time
- students complete Identifying Functions Interactive Activity

Assessment

Identifying Functions Activity

Function or Not Google Slides & Identifying Functions Interactive Activity both found in Google Drive Ch. 4 folder

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: #65

Vocab: function, $f(x)$, independent and dependent variables, input, output

- go over lesson 4.3 examples and Got It ?'s
- ordered pairs that make functions true (5 examples), and class practice over functions (use Quizizz)
- Battle Royal (Blooket)
- Finish Identifying Functions Activity

Assessment

Finish Identifying Functions Activity

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