Monday 09/18/2023	Tuesday 09/19/2023	Wednesday 09/20/2023	Thursday 09/21/2023	Friday 09/22/2023

7th Grade

Monday

4.2 - Compare and Order Rational Numbers

Learning Target

Students will be able to compare and order rational numbers.

Standards

7.EE.3 Solve multi-step real-life and mathematical problems posed with positive and negative rational numbers in any form (whole numbers, fractions, and decimals), using tools strategically.

7.NS.2.d Convert a rational number to a decimal using long division; know that the decimal form of a rational number terminates in 0s or eventually repeats.

Instruction

Warm Up: #14
Vocab: rational number, least common multiple
- class practice using 4.2 Desmos/Go Formative Activity
- students will use interactive activity to first compare two fractions, two decimal numbers, or one of each
- students will order sets of numbers (sets being a

7th Grade

Tuesday

4.4 - Add and Subtract Unlike Fractions

Learning Target

Students will be able to add and subtract fractions that do not have common denominators.

Standards

7.NS.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.

Instruction

Warm Up: #15
Vocab: unlike fractions
- walk through 4 examples of like fractions
- teach examples 1 - 4 p. 292 - 294
- students complete Got It ?'s
- I DO: evens on Guided Practice, THEY DO: odds on Guided Practice

Assessment

Independent Practice (Completion Check) p. 295 - 296 (1 - 14)

Online Game:
http://www.sheppardsoftware.com/mathgames/fractions/

7th Grade

Wednesday

4.4 - Add and Subtract Unlike Fractions

Learning Target

Students will be able to add and subtract fractions that do not have common denominators.

Standards

7.NS.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.

Instruction

Warm Up: #16
Vocab: unlike fractions
- talk through and discuss 1 - 14 completion check
- Problem Solving Partners: use Problem Solving WS for real-world word problems and #13,14 and Practice Masters book p. 52 for H.O.T.
- 5 to 8 questions
- rest of the time to work on 4.4 Extra Practice

Assessment

4.4 Extra Practice (297 - 298) ALL

8th Grade

1.7 - Comp. w/Sci. Not.

7th Grade

Thursday

4.5 - Add and Subtract Mixed Numbers

Learning Target

Students will be able to add and subtract problems involving mixed numbers.

Standards

7.NS.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.

7.NS.3 Solve real-world and mathematical problems involving the four operations with rational numbers.

Instruction

Warm Up: #17 - Talk About It Thursday
Vocab: mixed number
- Think, Pair, Share p. 299
- use slides to walk through examples 1 - 4 on p. 300 - 302
- focus on problems where students have to borrow p. 302 (#3) and p. 303 (#6, 8, 9)
- board work (use Independent Practice)

Assessment

p. 302 (1 - 4), p. 303 (1 - 9 odds)

7th Grade

Friday

4.5 - Add and Subtract Mixed Numbers

Learning Target

Students will be able to add fractions involving mixed numbers and unlike denominators.

Standards

7.NS.1 Apply and extend previous understandings of addition and subtraction to add and subtract rational numbers; represent addition and subtraction on a horizontal or vertical number line diagram.

7.NS.3 Solve real-world and mathematical problems involving the four operations with rational numbers.

Instruction

Warm Up: 4.1 - 4.4 Quiz (Forms A and B)
Vocab: mixed number
- 4.4 - 4.5 Fraction Stations
- either walk around the room or find the problems on Google Classroom
- complete problems on notebook paper

Assessment

Fraction Stations

mixture of fractions, decimals, and percentages)
- give students a work space sheet (will be given participation points)
- any extra work time will be used to finish 4.2 McGraw Hill online

Assessment
Finish 4.2 McGraw Hill

8th Grade

1.7 - Comp. w/Sci. Not.

Learning Target
Students will be able to add, subtract, multiple, and divide numbers written in scientific notation.

Standards
8.EE.4 Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use 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.

Instruction
Warm Up: #15 - Exponent Review
Vocab:

FruitShootFractionsAddition.htm

8th Grade

No Class - Water Break

Learning Target
Students will be able to add, subtract, multiple, and divide numbers written in scientific notation.

Standards
8.EE.4 Perform operations with numbers expressed in scientific notation, including problems where both decimal and scientific notation are used. Use 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.

Instruction
Warm Up: #16 - Desmos Sci. Notation Matching
Vocab:
- talk/check the completion problems 1 - 11 on p. 63
Whiteboard Whizzes:
- basic operation problems (add, multiply, subtract, divide)
- #1 - 2, 6 - 7 on p. 62; #12 on p. 64; #19 - 22 on p. 65
- work time on scavenger hunt

Assessment
Scientific Notation Scavenger Hunt

Online Game:
http://studyjams.scholastic.com/studyjams/jams/math/fractions/add-sub-mixed-numbers.htm

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8th Grade

1.8 - Roots

Learning Target
Students will be able to simplify and evaluate square and cubed roots.

Standards
8.EE.2 Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that $\sqrt{2}$ is irrational.

Instruction
Warm Up: #17 - Talk About It Thursday
Vocab: square root, perfect square, radical, cube root
- Vocabulary Start-Up p. 71
- use Roots Interactive Lab (McGraw Hill) to demonstrate the square root
- walk through examples 1 - 8, students complete Got It ?'s

8th Grade

1.8 - Roots

Learning Target
Students will be able to simplify and evaluate square and cubed roots.

Standards
8.EE.2 Use square root and cube root symbols to represent solutions to equations of the form $x^2 = p$ and $x^3 = p$, where p is a positive rational number. Evaluate square roots of small perfect squares and cube roots of small perfect cubes. Know that $\sqrt{2}$ is irrational.

Instruction
Warm Up: #18
Vocab: square root, perfect square, radical, cube root
Think, Pair, Share:
- Independent Practice 1 - 8 p.75
- class practice 15 - 17, 18 - 21 p. 76
- 39 - 41 p. 77
- 49 - 52 on p. 78
- leftover time to finish 1.8 HW and 1.9 EDPuzzle

Assessment
Finish 1.8 Online HW, 1.9 EDPuzzle

- walk through examples and Got It ?'s together
- They Do: Guided Practice 1 - 7

Assessment

1.7 Completion Check p. 63 (1 - 11)

- explain that exponents of 1/2 and 1/3 means square and cube root

Assessment

1.8 eAssessment Homework (due Friday)