

Fractions & Geometry

Third Nine Weeks Topics

In order to finish all topics by the end of the nine weeks, you will need to complete at least 1 lesson each class session.

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Topic 11 - Representing Fractions

3.3 Number and operations. The student applies mathematical process standards to represent and explain fractional units

3.3(A) represent fractions greater than zero and less than or equal to one with denominators of 2, 3, 4, 6, and 8 using concrete objects and pictorial models, including strip diagrams and number lines

3.3(C) explain that the unit fraction $1/b$ represents the quantity formed by one part of a whole that has been partitioned into b equal parts where b is a non-zero whole number

3.7(A) represent fractions of halves, fourths, and eighths as distances from zero on a number line;

Lesson 1 Fractions and Regions

Ways to Learn

[Pearson](#) [Another Look](#)
[Khan Academy](#) - introduction
[Khan Academy](#) - numerator/denominator
[Study Jams](#) - Intro
[BrainPop](#)
[BrainPop Jr.](#)

Ways to Practice

Pearson Math Book pages 565-570
[Khan Academy](#) - recognize fractions
[Khan Academy](#) - equal parts
[Khan Academy](#) - numerator/denominator

Lesson 2 Fractions and Sets

Ways to Learn

[Pearson](#) [Another Look](#)
[Khan Academy](#)
[Study Jams](#)
[More Fractions](#)

Ways to Practice

Pearson Math Book pages 571-576

Lesson 3 Representing Fractions on a Numberline

Ways to Learn

[Pearson](#) [Another Look](#)
[Khan Academy](#)

Ways to Practice

Pearson Math Book pages 577-582
[Khan Academy](#) - number line
[Khan Academy](#) - unit fractions
[BrainPop Number Line Game](#)

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Topic 11 - Representing Fractions

3.3 Number and operations. The student applies mathematical process standards to represent and explain fractional units.

3.3(A) represent fractions greater than zero and less than or equal to one with denominators of 2, 3, 4, 6, and 8 using concrete objects and pictorial models, including strip diagrams and number lines

3.3(B) determine the corresponding fraction greater than zero and less than or equal to one with denominators of 2, 3, 4, 6, and 8 given a specified point on a number line;

3.3(D) compose and decompose a fraction a/b with a numerator greater than zero and less than or equal to b as a sum of parts $1/b$

Lesson 4 - Locating Fractions on a Numberline

Ways to Learn

[Pearson](#) [Another Look](#)

Ways to Practice

Pearson Math Book pages 583-588

[Khan Academy](#) widget

[Khan Academy](#) finding 1 whole

[BrainPop Number Line Game](#)

Lesson 5 - Fractions and Length

Ways to Learn

[Pearson](#) [Another Look](#)

Ways to Practice

Pearson Math Book pages 589-584

Lesson 6 - Breaking Apart Fractions

Ways to Learn

[Pearson](#) [Another Look](#)

[Khan Academy](#)

Ways to Practice

Pearson Math Book pages 595-600

[Khan Academy](#)

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Topic 11 - Representing Fractions

3.3 Number and operations. The student applies mathematical process standards to represent and explain fractional units.

3.1(B) use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution and evaluating the problem-solving process and the reasonableness of the solution;

3.3 (E) solve problems involving partitioning an object or a set of objects among two or more recipients using pictorial representations of fractions with denominators of 2, 3, 4, 6, and 8;

3.3(H) compare two fractions having the same numerator or denominator in problems by reasoning about their sizes and justifying the conclusion using symbols, words, objects, and pictorial models

Lesson 7 - Fractions and Division

Ways to Learn

[Pearson](#) [Another Look](#)
[Khan Academy](#)

Ways to Practice

Pearson Math Book pages 601-606

Lesson 8 - Problem Solving - Analyzing Given Information

Ways to Learn

[Pearson](#) [Another Look](#)

Ways to Practice

Pearson Math Book pages 607-612

Lesson 9 - Using Models to Compare Fractions - Same Denominator

Ways to Learn

[Pearson](#) [Another Look](#)
[Khan Academy](#) - comparing Fractions
[Khan Academy - Same Denominator Adding and Subtracting Fractions](#)

Ways to Practice

Pearson Math Book pages 613-618
[Ordering Fractions game](#)

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Topic 11 - Representing Fractions

3.3 Number and operations. The student applies mathematical process standards to represent and explain fractional units.

3.3(F) represent equivalent fractions with denominators of 2, 3, 4, 6, and 8 using a variety of objects and pictorial models, including number lines;

3.3(G) explain that two fractions are equivalent if and only if they are both represented by the same point on the number line or represent the same portion of a same size whole for an area model

3.3(H) compare two fractions having the same numerator or denominator in problems by reasoning about their sizes and justifying the conclusion using symbols, words, objects, and pictorial models.

Lesson 10 - Using Models to Compare Fractions - Same Numerator

Ways to Learn

[Pearson](#) [Another Look](#)

Ways to Practice

Pearson Math Book pages 619-624

[Ordering Fractions game](#)

Lesson 11 - Finding Equivalent Fractions

Ways to Learn

[Pearson](#) [Another Look](#)

[Khan Academy](#)

[Khan Academy - more equiv.](#)

[Fractions](#)

[BrainPop](#)

Ways to Practice

Pearson Math Book pages 625-630

[Khan Academy - practice](#)

[Equivalent Fraction Game](#)

Lesson 12 - Equivalent Fractions and the Number line

Ways to Learn

[Pearson](#) [Another Look](#)

[Study Jams](#)

Ways to Practice

Pearson Math Book pages 631-636

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Topic 11 - Representing Fractions

3.1 B use a problem-solving model that incorporates analyzing given information, formulating a plan or strategy, determining a solution, justifying the solution and evaluating the problem-solving process and the reasonableness of the solution;

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Lesson 13 - Problem Solving - Using Reasoning

Ways to Learn

[Pearson](#)

[Another Look](#)

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Ways to Practice

Pearson Math Book pages 637-642

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Topic 12 - Shapes and Solids

Lesson 1- Quadrilaterals

Ways to Learn

[Pearson](#) [Another Look](#)

Ways to Practice

Pearson Math Book pages 661-666

[Complete "Guess My Rule" Sheet](#)

[Create a Quadrilateral Family Tree](#)

Make a table [Classifying 4 sided Shapes](#)

Lesson 2 - Solid Figures

Ways to Learn

[Pearson](#) [Another Look](#)

Ways to Practice

Pearson Math Book pages 667-672

Lesson 3 - Attributes of Solids

Ways to Learn

[Pearson](#) [Another Look](#)

Ways to Practice

Pearson Math Book pages 673-678

[Create a table classifying solid shapes](#)

Topic 12 - Shapes and Solids

Lesson 4 - Sorting Solid Figures

Ways to Learn

[Pearson](#)

[Another Look](#)

Ways to Practice

Pearson Math Book pages 679-684

Lesson 5 - Analyze Relationships

Ways to Learn

[Pearson](#)

[Another Look](#)

Ways to Practice

Pearson Math Book pages 685-690