Distribution of Teaching Time

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Second Semester 2018/2019

Mathematics

Grade Four

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Week | Date | Period | Chapter | Lesson  | Learning Outcome |
| 1 | Jan 13-17 | 1 | Chapter 7: Patterns and Sequences | (2) Lesson 1: Nonnumeric Patterns | Describe nonnumeric growing and repeating patterns |
| 1 | 2 |
| 1 | 3 | Chapter 7: Patterns and Sequences | (1) Lesson 2: Numeric Patterns | Identify, describe and extend numeric patterns |
| 1 | 4 | Chapter 7: Patterns and Sequences | (1) Lesson 3: Sequences | Extend patterns and write observations about the pattern |
| 1 | 5 | Chapter 7: Patterns and Sequences | (1) Lesson 4: PSI: Look for Pattern | Look for a pattern to solve |
| 1 | 6 | Chapter 7: Patterns and Sequences | (2) Lesson 5: Add/Sub Rules | Find and use rules to write add/sub equations |
| 1 | 7 |
| 2 | Jan 20-24 | 1 | Chapter 7: Patterns and Sequences | (1) Lesson 6: Multiplication and Division Rules | Find and use rules to write Multi/Div equations |
| 2 | 2 | Chapter 7: Patterns and Sequences | (1) Lesson 7: Order of Operations | Use order of operation to solve problems |
| 2 | 3 | Chapter 7: Patterns and Sequences | (1) Lesson 8: HO: Equations with Two Operations | Explore equations with two operations |
| 2 | 4 | Chapter 7: Patterns and Sequences | (2) Lesson 9: Equations with Multiple Operations  | Use tables to recognize and write equations with two or more operations |
| 2 | 5 |
| 2 | 6 | Chapter 7: Patterns and Sequences | (1) Chapter Review  | Review activities |
| 2 | 7 | Chapter 8: Fractions | (1) Lesson 1: Factors and Multiples | Find factors and multiples of whole numbers |
| 3 | Jan 27-31 | 1 | Chapter 8: Fractions | (2) Lesson 2: Prime and Composite Numbers | Determine if a number is prime or composite |
| 3 | 2 |
| 3 | 3 | Chapter 8: Fractions | (1) Lesson 3: HO: Model Equivalent Fractions | Explore equivalent fractions |
| 3 | 4 | Chapter 8: Fractions | (1) Lesson 4: Equivalent Fractions | Find equivalent fractions |
| 3 | 5 | Chapter 8: Fractions | (1) Lesson 5: Simplest Form | Write a fraction in simplest form |
| 3 | 6 | Chapter 8: Fractions | (2) Lesson 6: Compare and Order Factions | Compare and order fractions |
| 3 | 7 |
| 4 | Feb 3-7 | 1 | Chapter 8: Fractions | (1) Lesson 7: Use Benchmark Fractions to Compare and Order | Use benchmark fractions to compare and order numbers |
| 4 | 2 | Chapter 8: Fractions | (2) Lesson 8: PSI: Use Logical Reasoning  | Use logical reasoning to solve problems |
| 4 | 3 |
| 4 | 4 | Chapter 8: Fractions | (1) Lesson 9: Mixed Numbers | Represent mixed numbers by decomposing them into a sum of whole numbers and unit fractions |
| 4 | 5 | Chapter 8: Fractions | (1) Lesson 10: Mixed Numbers and Improper Fractions | Write nixed numbers and improper fractions |
| 4 | 6 | Chapter 8: Fractions | (1) Chapter Review  | Review activities |
| 4 | 7 | Chapter 9: Operations with Fractions | (1) Lesson 1: HO: Use models to Add Fractions | Use models to add like fractions |
| 5 | Feb 10-14 | 1 | Chapter 9: Operations with Fractions | (1) Lesson 2: Add like fractions | Add like fractions |
| 5 | 2 | Chapter 9: Operations with Fractions | (1) Lesson 3: HO: Use models to subtract like fractions | Use models to subtract like fractions |
| 5 | 3 | Chapter 9: Operations with Fractions | (1) Lesson 4: Subtract like fractions | Subtract like fractions |
| 5 | 4 | Chapter 9: Operations with Fractions | (2) Lesson 5: PSI: Work backwards | Work backwards to solve problems |
| 5 | 5 |
| 5 | 6 | Chapter 9: Operations with Fractions | (2) Lesson 6: Add Mixed Numbers | Add mixed numbers |
| 5 | 7 |
| 6 | Feb 17-21 | 1 | Chapter 9: Operations with Fractions | (1) Lesson 7: Subtract Mixed Numbers | Subtract mixed numbers |
| 6 | 2 | Chapter 9: Operations with Fractions | (1) Lesson 8: HO: Model fractions and Multiplication | Use models to multiply fractions |
| 6 | 3 | Chapter 9: Operations with Fractions | (1) Lesson 9: Multiply fractions by Whole Numbers | Multiply fractions by whole numbers |
| 6 | 4 | Chapter 9: Operations with Fractions | (1) Chapter Review  | Review activities |
| 6 | 5 | Chapter 10: Fractions and Decimals | (1) Lesson 1 HO: Place Value through Tenths | Explore using place-value charts and grids to model decimals |
| 6 | 6 | Chapter 10: Fractions and Decimals | (1) Lesson 2: Tenths | Model and describe tenths as part of the base-ten system |
| 6 | 7 | Chapter 10: Fractions and Decimals | (1) Lesson 3: Hundredths | Model and describe hundredths as part of the base-ten system |
| 7 | Feb 24-28 | 1 | Chapter 10: Fractions and Decimals | (1) Lesson 4: HO: Model decimals and fractions | Explore using grids and number lines to model the relationship between decimals and fractions |
| 7 | 2 | Chapter 10: Fractions and Decimals | (1) Lesson 5: Decimals and Fractions | Identify, read and write tenths and hundredths as decimals and fractions |
| 7 | 3 | Chapter 10: Fractions and Decimals | (1) Lesson 6: Round Fractions | Students will use number lines and benchmark tractions such as ½ to round fractions |
| 7 | 4 | Chapter 10: Fractions and Decimals | (1) Lesson 7: Use place value  | Use place value and equivalent fractions to add two fractions with respective denominators 10 and 100 |
| 7 | 5 | Chapter 10: Fractions and Decimals | (1) Lesson 8: Compare and Order Decimals | Compare and order decimals to hundredths by reasoning about their size |
| 7 | 6 | Chapter 10: Fractions and Decimals | (2) Lesson 9: PSI: Extra and Missing Information | Find extra or missing information when solving problems |
| 7 | 7 |
| 8 | Mar 3-7 | 1 | Chapter 10: Fractions and Decimals | (1) Chapter Review | Review Activities |
| 8 | 2 | Chapter 11: Operations with Fractions and Decimals | (2) Lesson 1: Round Decimals | Round decimals |
| 8 | 3 |
| 8 | 4 | Chapter 11: Operations with Fractions and Decimals | (2) Lesson 2: Estimate Sums and Differences | Estimate suns and differences by rounding |
| 8 | 5 |
| 8 | 6 | Chapter 11: Operations with Fractions and Decimals | (2) Lesson 3: PSI: Estimate or Exact Answers  | Solve problems by using as estimate or an exact answer |
| 8 | 7 |
| 9 | Mar 10-14 | 1 | Chapter 11: Operations with Fractions and Decimals | (1) Lesson 4: HO: add decimals using base-ten blocks | Explore adding decimals using base-ten blocks |
| 9 | 2 | Chapter 11: Operations with Fractions and Decimals | (1) Lesson 5: HO: Add decimals Using Models | Explore adding decimals using models |
| 9 | 3 | Chapter 11: Operations with Fractions and Decimals | (1) Lesson 6: Add Decimals | Add decimals |
| 9 | 4 | Chapter 11: Operations with Fractions and Decimals | (1) Lesson 7: Addition Properties | Use the Associative, Commutative and Identity Properties to ass whole numbers and decimals mentally |
| 9 | 5 | Chapter 11: Operations with Fractions and Decimals | (1) Lesson 8: HO: Subtract Decimals using Base-Ten Blocks | Explore subtracting decimals using base-ten blocks |
| 9 | 6 | Chapter 11: Operations with Fractions and Decimals | (1) Lesson 9: HO: Subtract Decimals Using Models | Explore subtracting decimals using models |
| 9 | 7 | Chapter 11: Operations with Fractions and Decimals | (1) Lesson 10: Subtract Decimals | Subtract decimals |
| 10 | Mar 17-21 | 1 | Chapter 11: Operations with Fractions and Decimals | (1) Chapter Review | Review Activities |
| 10 | 2 | Chapter 12: Geometry | (1) Lesson 1: Draw Points, Lines and Rays | Draw points, lines, line segments and rays and identify these in two-dimensional figures |
| 10 | 3 | Chapter 12: Geometry | (1) Lesson 2: Draw Parallel and Perpendicular Lines | Draw parallel, intersecting and perpendicular lines and identify these in two-dimensional figures |
| 10 | 4 | Chapter 12: Geometry | (1) Lesson 3: Draw Lines of Symmetry  | Identify figures with line symmetry and draw lines of symmetry |
| 10 | 5 | Chapter 12: Geometry | (1) Lesson 4: HO: Build Three-Dimensional Figures | Build nets and explore properties of three-dimensional figures |
| 10 | 6 | Chapter 12: Geometry | (1) Lesson 5: Three-Dimensional Figures | Describe properties if three-dimensional; figures |
| 10 | 7 | Chapter 12: Geometry | (1) Lesson 6: HO: Models to find Volume | Use models to find the volume of a rectangular prism |
| 11 | Mar 24-28 | 1 | Chapter 12: Geometry | (1) Lesson 7: Volume of Prisms | Use volume formulas to find the volume of rectangular prism |
| 11 | 2 | Chapter 12: Geometry | (1) Chapter Review  | Review Activities |
| 11 | 3 | Chapter 13: Data | (1) Lesson 1: HO: Construct Line Graphs | Construct line graphs |
| 11 | 4 | Chapter 13: Data | (1) Lesson 2: Line Graphs | Construct and describe line graphs and double line graphs |
| 11 | 5 | Chapter 13: Data | (2) Lesson 3: Circle Graphs | Interpret circle graphs |
| 11 | 6 |
| 11 | 7 | Chapter 13: Data | (1) Chapter Review  | Review Activities |