



Mathematical Practices (MP)

Domains

- Operations and Algebraic Thinking (OA)
- Measurement and Data (MD)
- Number and Operations in Base Ten (NBT)
- Number and Operations—Fractions (NF)

Decimals on Grids and Number Lines

INVESTIGATION 1

Understanding and Comparing Decimals

Day	Session	Common Core Adaptation	Common Core Standards
1	1.1 Decimals on Grids		MP4 5.NBT.1, 5.NBT.3.a, 5.NBT.3.b
2	1.2 Introducing Thousandths 2 ACTIVITY Introducing Thousandths	Teaching Note Expanded Form After writing 79,321 on the board and reviewing the names of the places, write the number in expanded form: $7 \times 10,000 + 9 \times 1,000 + 3 \times 100 + 2 \times 10 + 1$. After changing the number to 79,321.45 and asking students what the 4 and 5 mean, write the entire number in expanded form: $7 \times 10,000 + 9 \times 1,000 + 3 \times 100 + 2 \times 10 + 1 + 4 \times \frac{1}{10} + 5 \times \frac{1}{100}$.	MP4 5.NBT.1, 5.NBT.3.a, 5.NBT.3.b
3	1.3 Decimals on the Number Line		MP4 5.NBT.3.a, 5.NBT.3.b
4	1.4 Decimals in Between		MP2 5.NBT.3.a, 5.NBT.3.b
5	1.5A Rounding Decimals	See p. CC92.	MP4 5.NBT.1, 5.NBT.4
6	1.5 Assessment: Decimal Problems		MP2 5.NBT.3.a, 5.NBT.3.b, 5.NBT.5
7	1.6 Ordering Decimals		MP2 5.NBT.3.b, 5.NBT.5
8	1.7 Fractions as Division 3 SESSION FOLLOW-UP Daily Practice and Homework	Daily Practice: In addition to <i>Student Activity Book</i> page 32, students complete <i>Student Activity Book</i> page 34 or C66 (Birds and Bugs), for ongoing review of the content in Unit 6.	MP2, MP5 5.NBT.6, 5.NF.3
9	1.8 Decimal Equivalents		MP2, MP5 5.NBT.6, 5.NF.3
10	1.9 Fraction-Decimal Equivalents		MP2, MP5 5.NBT.3.b, 5.NBT.5, 5.NF.3

INVESTIGATION 1

Understanding and Comparing Decimals, *continued*

Day	Session	Common Core Adaptation	Common Core Standards
11	1.10 Assessment: Comparing and Ordering Decimals TEN-MINUTE MATH Practicing Place Value	After students practice saying 24,305.27, together write the number in expanded form. $(2 \times 10,000 + 4 \times 1,000 + 3 \times 100 + 5 + 2 \times \frac{1}{10} + 7 \times \frac{1}{100})$.	MP5 5.NBT.3.a, 5.NBT.3.b, 5.NF.3


INVESTIGATION 2

Adding Decimals

Day	Session	Common Core Adaptation	Common Core Standards
12	2.1 Fill Two		MP4 5.NBT.3.a, 5.NBT.3.b, 5.NBT.7
13	2.2 The Jeweler's Gold		MP3 5.NBT.3.a, 5.NBT.3.b, 5.NBT.7
14	2.3 Strategies for Adding Decimals TEN-MINUTE MATH Practicing Place Value	After students practice saying 0.25, ask them to write the number in expanded form. $(2 \times \frac{1}{10} + 5 \times \frac{1}{100})$	MP6, MP8 5.NBT.3.a, 5.NBT.3.b, 5.NBT.7
15	2.4 Decimal Problems		MP6, MP8 5.NBT.3.a, 5.NBT.3.b, 5.NBT.7
16	2.5A Decimal Subtraction Problems	See p. CC97.	MP1 5.NBT.1, 5.NBT.7
17	2.5 Decimal Games—Part 1 TEN-MINUTE MATH Practicing Place Value	After students practice saying 0.025, ask them to write the number in expanded form. $(2 \times \frac{1}{100} + 5 \times \frac{1}{1000})$	MP6 5.NBT.3.a, 5.NBT.3.b, 5.NBT.7
18	2.6 Decimal Games—Part 2 TEN-MINUTE MATH Practicing Place Value	After students practice saying 3.975, ask them to write the number in expanded form. $(3 + 9 \times \frac{1}{10} + 7 \times \frac{1}{100} + 5 \times \frac{1}{1000})$	MP6 5.NBT.3.a, 5.NBT.3.b, 5.NBT.7

INVESTIGATION 2

Adding Decimals, *continued*

Day	Session	Common Core Adaptation	Common Core Standards
19	2.7 Decimal Games–Part 3  SESSION FOLLOW-UP Daily Practice	Daily Practice: In addition to <i>Student Activity Book</i> page 65, students complete <i>Student Activity Book</i> page 66B or C69 (Understanding Place Value), for ongoing review of the content in Unit 6.	MP6 5.NBT.3.a, 5.NBT.3.b, 5.NBT.7
20	2.8 End-of-Unit Assessment		MP1, MP2, MP6 5.NBT.3.a, 5.NBT.3.b, 5.NBT.7

INVESTIGATION 3A

More Decimal Operations

Day	Session	Common Core Adaptation	Common Core Standards
21	3A.1 Multiplying Powers of 10	See p. CC103.	MP7 5.NBT.2, 5.NBT.3.a, 5.NBT.4, 5.NBT.7
22	3A.2 Multiplying by “Small” Numbers	See p. CC109.	MP2 5.NBT.3.a, 5.NBT.4, 5.NBT.7
23	3A.3 Multiplying Decimals	See p. CC115.	MP6 5.NBT.3.a, 5.NBT.4, 5.NBT.7
24	3A.4 Multiplying Decimals, <i>continued</i>	See p. CC119.	MP6 5.NBT.3.a, 5.NBT.4, 5.NBT.7
25	3A.5 Dividing Powers of 10	See p. CC124.	MP7 5.NBT.2, 5.NBT.7
26	3A.6 Dividing Decimals	See p. CC130.	MP6 5.NBT.7
27	3A.7 Assessment: Multiplying and Dividing Decimals	See p. CC136.	MP6 5.NBT.7
28	3A.8 Converting Measurements	See p. CC142.	MP7 5.OA.1, 5.MD.1
29	3A.9 Converting Measurements, <i>continued</i>	See p. CC147.	MP7 5.OA.1, 5.MD.1