

Place Value Patterns and Decimal Operations

The adaptation focuses on three key areas. The first is on building students' understanding of the decimal notation and the relative sizes of tenths and hundredths, which is built on their knowledge of the magnitude of multi-digit whole numbers and the ten-times relationship between a digit in one place and the same digit in the place to its right. This work prepares students to make sense of, read, and write decimals to the thousandths, to see that a digit in one place is one-tenth of the same digit to its left, and to compare decimals.

The second area of focus is on enabling students to round multi-digit numbers to the nearest multiple 100, 1,000, 10,000, and 100,000. This prepares students to round decimals to any place.

The final area of focus is on reinforcing the role of place value and properties of operations in adding and subtracting whole numbers, preparing them to add and subtract decimals. This is done by including a lesson on addition and subtraction algorithms from grade 4. (Grade 5 students aren't required to use the standard algorithm to add and subtract decimals.)

	Prior Grade	Current Grade
Standards	<ul style="list-style-type: none"> ● 4.NBT.A.1 ● 4.NBT.A.2 ● 4.NBT.A.3 ● 4.NBT.B.4 ● 4.NF.C.5 ● 4.NF.C.6 ● 4.NF.C.7 	<ul style="list-style-type: none"> ● 5.NBT.A.1 ● 5.NBT.A.3.a ● 5.NBT.A.3.b ● 5.NBT.A.4 ● 5.NBT.B.7 ● 5.OA.A.1 ● 5.OA.A.2
Lesson Adjustments	Before Section A of the current unit, add in: <ul style="list-style-type: none"> ● Grade 4 Unit 4: <ul style="list-style-type: none"> ○ Section B Lesson 9 ○ Section B Lesson 10 (skip Activity 2) 	

	<ul style="list-style-type: none"> ○ Section B Lesson 11 (skip Activity 2)^a ○ Section A Lessons 1–3 <p style="text-align: right;">→</p>	Complete Lessons 1–7 of the current unit. (The optional Lesson 4 can be skipped.)
	<p>Before Lesson 8 of the current unit, add in:</p> <ul style="list-style-type: none"> ● Grade 4 Unit 4^b: <ul style="list-style-type: none"> ○ Section C Lesson 15 (skip Activities 2–3) ○ Section C Lesson 16 (skip Activity 2) <p style="text-align: right;">→</p>	Continue with Lessons 8–11 of the current unit.
	<p>Before Lesson 12 of the current unit, add in:</p> <ul style="list-style-type: none"> ● Grade 4 Unit 4 Section D Lesson 20 <p style="text-align: right;">→</p>	Continue with Lesson 12 of the current unit.
Practice and Fluency	<p>Warm-ups:</p> <ul style="list-style-type: none"> ● Grade 4 Number Talks (whole-number addition and subtraction) <p>Activities:</p> <ul style="list-style-type: none"> ● Grade 4 Unit 4 Section D Lesson 19 Activity 1 ● Grade 4 Unit 4 Section D Lesson 22 Activity 2 <p>Centers:</p> <ul style="list-style-type: none"> ● Greatest of Them All (1–5), Stage 3 ● Mystery Number (1–4), Stage 5 ● Number Puzzles: Addition and Subtraction (1–4), Stage 6 ● Tic Tac Round (3–5), Stage 2 	<p>Adaptation Notes</p> <p>^a After this add-in lesson (and before starting the next set of add-in lessons on decimals), consider assessing students’ understanding of place value and the relationship between the digits in multi-digit numbers. If needed, use the skipped activities from the add-in Section B lessons or the suggested centers for further practice on these concepts.</p> <p>^b Consider using the skipped activities from the add-in Section C lessons for further practice on rounding.</p>
Assessment	<ul style="list-style-type: none"> ● Grade 4 Unit 4 Section B Checkpoint, Problems 2–3 ● Grade 4 Unit 4 Section A Checkpoint ● Grade 4 Unit 4 End-of-Unit Assessment, Problems 5 and 7 	