

OUSD Pacing Guide for Math Expressions (Grade 5)

Standards that are highlighted are Michele Douglass' "hinge" standards.

Unit 1: Addition and Subtraction with Fractions

Suggested Timeline: 20 Days

| Lesson | Standards | Activities |
|---|------------------------|---|
| 1 | 5.NF.2 | This entire lesson is a "May Do." Use teacher discretion. |
| 2 | 5.NF.1 | Must Do: Activity 1 and 2 |
| 3 | 5.NF.1 | Must Do: Activity 1 May Do: "Puzzled Penguin", Activity 2 |
| 4 | 5.NF.1 | Must Do: Activity 1 May Do: "Mixed Practice" at end of lesson (use teacher discretion) |
| 5 | 5.NF.1 | Must Do: Activity 1 and 2 May Do: "Puzzled Penguin" |
| 6 | 5.NF.2 | Must Do: Activity 1 and 2 May Do: "Puzzled Penguin" |
| 7 | 5.NF.1, 5.NF.2 | Must Do: Activity 2 May Do: Activity 1 |
| 8 | 5.NF.1, 5.NF.2 | Must Do: Activity 1 and 2 |
| 9 | 5.NF.1, 5.NF.2 | Must Do: Activity 1 and 2 |
| 10 | 5.NF.1, 5.NF.2, 5.MD.2 | Must Do: Activity 2 May Do: Activity 1 |
| 11 | 5.NF.1, 5.NF.2 | Must Do: Activity 1 May Do: "Puzzled Penguin" |
| 12 | 5.NF.1, 5.NF.2 | Must Do: Activity 1 |
| 13 | 5.NF.1, 5.NF.2 | This entire lesson is a "May Do." Use teacher discretion. |
| <p>Assessment: Use the Unit Review and Test provided (either printed or on ThinkCentral), remove problems as needed.</p> | | |

Unit 2: Addition and Subtraction with Decimals

Suggested Timeline: 20 Days

| Lesson | Standards | Activities |
|--|--------------------------------------|---|
| 1 | 5.NBT.3, 5.NBT.3a | Must Do: Activity 1, 2 |
| 2 | 5.NBT.1, 5.NBT.3, 5.NBT.3a | Must Do: Activity 2 May Do: Activity 1 (Secret Code Cards) *Emphasize place value here. The Secret Code Cards are time consuming, so use teacher discretion, but it is essential that students have an understanding of the place value system to thousandths.* |
| 3 | 5.NBT.1, 5.NBT.3, 5.NBT.3a, 5.NBT.3b | Must Do: Activity 1 May Do: Activity 2 (Secret Code Cards), use discretion on practice problems (page 44) |
| 4 | 5.NBT.7, 5.MD.1 | Must Do: Activity 1, 2 |
| 5 | 5.NBT.7 | Must Do: Activity 1, 2 May Do: Puzzled Penguin, use discretion on practice problems. |
| 6 | 5.NBT.7 | Must Do: Activity 1, 2 May Do: Puzzled Penguin, use discretion on practice problems. |
| 7 | 5.NBT.7 | Must Do: Activity 1 |
| 8 | 5.NBT.4 | Must Do: Activity 1 May Do: Activity 2 (use discretion) |
| 9 | 5.NBT.3b, 5.NBT.4 | Must Do: Activity 1, 2 May Do: Puzzled Penguin |
| 10 | 5.NBT.7 | This entire lesson is a “May Do.” Use teacher discretion. |
| Assessment: Use the Unit Review and Test provided (either printed or on ThinkCentral), remove problems as needed. | | |

Unit 3: Multiplication and Division with Fractions

Suggested Timeline: 25 Days

| Lesson | Standards | Activities |
|--------|---|---|
| 1 | 5.NF.4, 5.NF.4a, 5.NF.5, 5.NF.5b, 5.NF.6 | Must Do: Activity 1, 2 *Use teacher discretion on practice problems |
| 2 | 5.NF.4, 5.NF.4a, 5.NF.6 | Must Do: Activity 1, 2 |
| 3 | 5.NF.4, 5.NF.4a, 5.NF.6 | Must Do: Activity 1, 2 |
| 4 | 5.NF.4, 5.NF.4a, 5.NF.4b, 5.NF.6 | Must Do: Activity 2 May Do: Activity 1 *Use discretion on practice problems, focus on word problems. |
| 5 | 5.NF.4, 5.NF.4a, 5.NF.6 | Must Do: Activity 2 (ideas from Activity 1 can be used with activity 2) May Do: Activity 1, Puzzled Penguin *Use discretion on practice problems, focus on word problems. |
| 6 | 5.NF.4, 5.NF.4b, 5.NF.5, 5.NF.5a, 5.NF.5b, 5.NF.6 | Must Do: Activity 2 May Do: Activity 1 |
| 7 | 5.NF.1, 5.NF.2, 5.NF.4, 5.NF.4a, 5.NF.5, 5.NF.5a, 5.NF.5b, 5.NF.6 | Must Do: Activity 2, 3 May Do: Activity 1 *Use discretion on practice problems. |
| 8 | 5.NF.1, 5.NF.2, 5.NF.4, 5.NF.5, 5.NF.5a, 5.NF.6 | Must Do: Activity 1, 2 May Do: Puzzled Penguin |
| 9 | 5.NF.4, 5.NF.5, 5.NF.5a, 5.NF.5b, 5.NF.6 | Must Do: Activity 1 May Do: Activity 2 |
| 10 | 5.NF.3, 5.NF.4, 5.NF.4a, 5.NF.7, 5.NF.7a, 5.NF.7b, 5.NF.7c | Must Do: Activity 1, 2, 3 May Do: Activity 2 (on TE page 257) |
| 11 | 5.NF.3, 5.NF.7, 5.NF.7a, 5.NF.7b, 5.NF.7c | Must Do: Activity 1, 2 |
| 12 | 5.NF.4, 5.NF.5, 5.NF.5a, 5.NF.5b, 5.NF.6, 5.NF.7, 5.NF.7a, 5.NF.7b, 5.NF.7c | Must Do: Activity 1, 2 May Do: Puzzled Penguin *Use discretion on practice problems. |
| 13 | 5.NF.1, 5.NF.2, 5.NF.3, | Must Do: Activity 2 |

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| | 5.NF.4, 5.NF.5, 5.NF.5a, 5.NF.6, 5.NF.7, 5.NF.7a, 5.NF.7b, 5.NF.7c, 5.MD.2 | May Do: Activity 1 *Use discretion on practice problems. |
| 14 | 5.NF.3, 5.NF.5a, 5.NF.6, 5.NF.7c | This entire lesson is a “May Do.” Use teacher discretion. |
| Assessment: Use the Unit Review and Test provided (either printed or on ThinkCentral), remove problems as needed. | | |

Unit 4: Multiplication with Whole Numbers and Decimals

Suggested Timeline: 20 Days

| Lesson | Standards | Activities |
|--------|---------------------------|---|
| 1 | 5.NBT.1, 5.NBT.2, 5.NBT.7 | Must Do: Activity 1 (see note), 2, 3 *Note: Activity 1 focuses greatly on shift patterns using money. Many of the problems are repetitive. Pick and choose what you need; the main goal is for students to understand what happens to the value of a digit when multiplied by a power of 10. |
| 2 | 5.NBT.2 | Must Do: Activity 2 May Do: Activity 1, Puzzled Penguin |
| 3 | 5.NBT.1, 5.NBT.5 | Must Do: Activity 1 *Emphasize place value sections method- it's helpful and students build on it in CPM. |
| 4 | 5.NBT.5 | Must Do: Activity 1 May Do: Activity 2 *Use discretion on practice problems. |
| 5 | 5.NBT.5 | Must Do: Activity 1 *Use discretion on practice problems, focus on word problems. |
| 6 | 5.NBT.2, 5.NBT.7 | Must Do: Activity 2 (integrate ideas from Activity 1 into Activity 2) May Do: Activity 1, Activity 3 |
| 7 | 5.NBT.1, 5.NBT.2, 5.NBT.7 | Must Do: Activity 1 (see note from Lesson 1), Activity 2 May Do: Puzzled Penguin *Use discretion on practice problems, focus on word problems. |
| 8 | 5.NBT.5, 5.NBT.7 | Must Do: Activity 1, 2, 3 *Use discretion on practice problems, focus on word problems. |
| 9 | 5.NBT.1, 5.NBT.2, 5.NBT.7 | Must Do: Activity 1 (use discretion), 2, 3 May Do: Puzzled Penguin |
| 10 | 5.NBT.4, 5.NBT.7 | Must Do: Activity 1 May Do: Activity 2 (integrate ideas from Activity 2 into Activity 1) |
| 11 | 5.NBT.5, 5.NBT.7 | Must Do: Activity 2 May Do: Activity 1 (use discretion) |

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| 12 | 5.NF.5, 5.F.5a, 5.F.5b, 5.NBT.3, 5.NBT.3b, 5.NBT.5, 5.NBT.7 | This entire lesson is a “May Do.” Use teacher discretion. |
| Assessment: Use the Unit Review and Test provided (either printed or on ThinkCentral), remove problems as needed. | | |

Unit 5: Division with Whole Numbers and Decimals

Suggested Timeline: 18 Days

| Lesson | Standards | Activities |
|--------|--|---|
| 1 | 5.NBT.6 | Must Do: Activity 1 and 2 May Do: Activity 3 |
| 2 | 5.NBT.6 | Must Do: Activity 1 May Do: Activity 1 “Does Estimation Always Work?” |
| 3 | 5.NBT.6 | This entire lesson is a “May Do.” Use teacher discretion. |
| 4 | 5.NBT.6 | Must Do: Activity 1, Activity 2 May Do: Puzzled Penguin |
| 5 | 5.NBT.6 | Must Do: Activity 2 May Do: Activity 1 |
| 6 | 5.NBT.2, 5.NBT.7 | Must Do: Activity 1, 2, 3 May Do: Activity 3 “Patterns Relating Multiplication and Division” |
| 7 | 5.NBT.2, 5.NBT.7 | Must Do: Activity 2, Activity 3 May Do: Activity 1, Puzzled Penguin |
| 8 | 5.NBT.2, 5.NBT.7 | Must Do: Activity 2 May Do: Activity 1 |
| 9 | 5.NBT.6, 5.NBT.7 | Use teacher discretion. Recommendation: Must Do: Activity 2 May Do: Activity 1 |
| 10 | 5.NBT.3b, 5.NBT.5, 5.NBT.6, 5.NBT.7, 5.NF.5, 5.NF.5a | Must Do: Activity 1, 2, 3 May Do: Use discretion for Mixed Practice (Activity 3) |
| 11 | 5.NBT.7 | This entire lesson is a “May Do.” Use teacher discretion. |

Assessment: Use the Unit Review and Test provided (either printed or on ThinkCentral), remove problems as needed.

Unit 6: Operations and Word Problems

Suggested Timeline: 15 Days

| Lesson | Standards | Activities |
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| 1 | 5.NBT.7, 5.NF.2 | Must Do: Activity 1, 2 May Do: Use discretion on practice problems for Activity 2 |
| 2 | 5.NBT.5, 5.NBT.6, 5.NBT.7, 5.NF.4, 5.NF.4b, 5.NF.6, 5.NF.7, 5.NF.7c | Must Do: Activity 1 May Do: Activity 2 |
| 3 | 5.NF.4a, 5.NF.7a, 5.NF.7b | Must Do: Activity 1, 2 |
| 4 | 5.NBT.4, 5.NBT.6, 5.NBT.7, 5.NF.1, 5.NF.2 | This entire lesson is a “May Do.” Use teacher discretion. |
| 5 | 5.NBT.5 | Must Do: Activity 2 May Do: Activity 1 |
| 6 | 5.NBT.5, 5.NBT.6, 5.NBT.7, 5.NF.5, 5.NF.5a, 5.NF.5b, 5.NF.6, 5.NF.7c | Must Do: Activity 1 May Do: Activity 2 |
| 7 | 5.NBT.5, 5.NBT.6, 5.NBT.7, 5.NF.2 | Must Do: Activity 1 May Do: Activity 2 |
| 8 | 5.OA.1, 5.NBT.5, 5.NBT.7, 5.NF.2, 5.NF.6, 5.NF.7c | Must Do: Activity 1, 2, 3 May Do: Activity 3 Practice (student page 224) |
| 9 | 5.NBT.5, 5.NBT.6, 5.NBT.7, 5.NF.2, 5.NF.6 | This entire lesson is a “May Do.” Use teacher discretion. |
| 10 | 5.NBT.6, 5.NF.2, 5.NF.6, 5.NF.7c | This entire lesson is a “May Do.” Use teacher discretion. |
| 11 | 5.NBT.7, 5.NF.3 | This entire lesson is a “May Do.” Use teacher discretion. |
| Assessment: Use the Unit Review and Test provided (either printed or on ThinkCentral), remove problems as needed. | | |

Unit 7: Algebra, Patterns, and Coordinate Graphs

Suggested Timeline: 10 Days

*The standards addressed in Unit 7 are important to build a foundation for 6-12 grade, but the standards are not heavily assessed on CAASPP. It is recommended that this unit is taught, but not heavily emphasized.

| Lesson | Standards | Activities |
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| 1 | 5.OA.1, 5.OA.2 | Must Do: Activity 1, 2 |
| 2 | 5.OA.1 | Must Do: Activity 1, 2 May Do: Puzzled Penguin |
| 3 | 5.OA.1, 5.OA.2 | Must Do: Activity 1, 2 |
| 4 | 5.OA.1, 5.OA.2, 5.OA.2.1, 5.OA.3 | Must Do: Activity 2, 3 May Do: Activity 1 |
| 5 | 5.G.1 | Must Do: Activity 1, 2 May Do: Activity 3 |
| 6 | 5.OA.3, 5.G.1, 5.G.2 | Must Do: Activity 1 |
| 7 | 5.G.1, 5.G.2, 5.OA.1 | This entire lesson is a “May Do.” Use teacher discretion. |
| Assessment: Use the Unit Review and Test provided (either printed or on ThinkCentral), remove problems as needed. | | |

Unit 8: Measurement and Geometry

Suggested Timeline: 15 Days

*CAASPP note: The most heavily assessed standards in this unit relate to Volume.

| Lesson | Standards | Activities |
|--------|--------------------------------------|---|
| 1 | 5.MD.1 | Must Do: Activity 1 May Do: Puzzled Penguin, Activity 2, Activity 3 (use teacher discretion) |
| 2 | 5.MD.1 | Must Do: Activity 1 May Do: Activity 2 |
| 3 | 5.MD.1 | Must Do: Activity 1 May Do: Activity 2 |
| 4 | 5.MD.1 | Must Do: Activity 1 May Do: Activity 2 |
| 5 | 5.MD.1 | Must Do: Activity 1 May Do: Activity 2 |
| 6 | 5.MD.1 | Must Do: Activity 1 May Do: Activity 2 |
| 7 | 5.MD.2 | Must Do: Activity 1, 2 |
| 8 | 5.NF.4b | Must Do: Activity 1, 2 May Do: Activity 3 |
| 9 | 5.MD.3a, 5.MD.3b, 5.MD.4, 5.MD.5a | Must Do: Activity 1, 2 May Do: Activity 3 |
| 10 | 5.MD.3, 5.MD.3a, 5.MD.3b | Must Do: Activity 1, 2 |
| 11 | 5.MD.4, 5.MD.5a, 5.MD.5b | Must Do: Activity 1, 2 |
| 12 | 5.MD.5b | Must Do: Activity 2 May Do: Activity 1 |
| 13 | 5.MD.5, 5.MD.5b, 5.MD.5c | Must Do: Activity 1 |
| 14 | 5.G.3, 5.G.4 | Must Do: Activity 1 May Do: Activity 2 |
| 15 | 5.G.3, 5.G.4 | Must Do: Activity 1 May Do: Activity 2 |

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| 16 | 5.G.3, 5.G.4 | Must Do: Activity 1 May Do: Activity 2 |
| 17 | 5.OA.2.1, 5.MD.3, 5.MD.3, 5.MD.5b | This entire lesson is a “May Do.” Use teacher discretion. |
| Assessment: Use the Unit Review and Test provided (either printed or on ThinkCentral), remove problems as needed. | | |

Total Pacing: Approximately 143 Days

This gives plenty of wiggle room for accommodating student needs, assessment, etc.