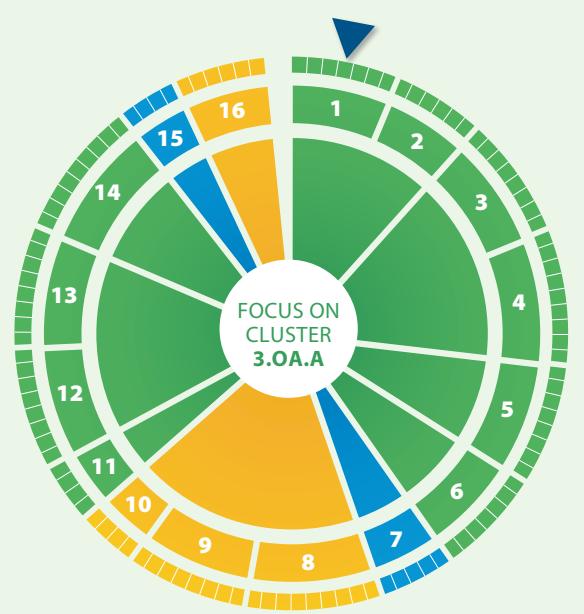


GRADE 3 CONTENTS (continued)



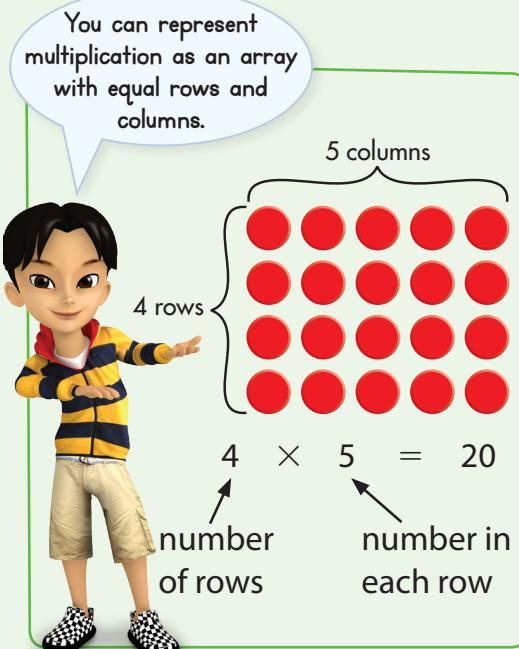
IN TOPICS 1 AND 2 FOCUS ON

MAJOR CLUSTER 3.OA.A

Represent and solve problems involving multiplication and division.

TOPICS 1 AND 2 CLUSTER OVERVIEW

Math Background: Focus	1A
Math Background: Coherence	1C
Math Background: Rigor	1E
Math Practices	1F
Differentiated Instruction	1G
The Language of Math	1H



TOPIC 1

Understand Multiplication and Division of Whole Numbers

Planner	11
Math and Science Project	1
Review What You Know	2
Vocabulary Cards and Activities	3–4

- 1–1 Multiplication as Repeated Addition 7A
3.OA.A.1, 3.OA.A.3, MP.1, MP.2, MP.3, MP.4, MP.6
- 1–2 Multiplication on the Number Line 13A
3.OA.A.1, 3.OA.A.3, MP.1, MP.2, MP.3, MP.4, MP.8
- 1–3 Arrays and Multiplication 19A
3.OA.A.3, 3.OA.A.1, MP.1, MP.2, MP.3, MP.5, MP.7
- 1–4 The Commutative Property 25A
3.OA.B.5, 3.OA.A.3, MP.3, MP.7
- 1–5 Division as Sharing 31A
3.OA.A.2, 3.OA.A.3, MP.1, MP.3, MP.4, MP.5, MP.6
- 1–6 Division as Repeated Subtraction 37A
3.OA.A.2, 3.OA.A.3, MP.2, MP.4, MP.5, MP.8
- 1–7 MATH PRACTICES AND PROBLEM SOLVING 43A
Use Appropriate Tools MP.5, Also MP.1, MP.2, MP.3, MP.4, MP.7,
3.OA.A.3, 3.OA.A.1, 3.OA.A.2

Fluency Practice Activity	.49
Vocabulary Review	.50
Reteaching	.51
Topic Assessment	.53–54
Topic Performance Assessment	.55–56
Placement Test	.56B
Basic-Facts Timed Tests	.56D



IN TOPICS 1 AND 2 FOCUS ON

MAJOR CLUSTER 3.OA.A

Represent and solve problems involving multiplication and division.

TOPICS 1 AND 2 CLUSTER OVERVIEW

Math Background: Focus	1A
Math Background: Coherence	1C
Math Background: Rigor	1E
Math Practices	1F
Differentiated Instruction	1G
The Language of Math	1H



TOPIC 2

Multiplication Facts: Use Patterns

Planner	57I
Steps to Fluency Success	57K
Math and Science Project	57
Review What You Know	58–60
Vocabulary Cards and Activities	58–60

- 2–1 2 and 5 as Factors 61A
3.OA.A.3, 3.OA.A.1, 3.OA.D.9, MP.1, MP.2, MP.3, MP.7

- 2–2 9 as a Factor 67A
3.OA.A.3, 3.OA.A.1, 3.OA.D.9, MP.1, MP.2, MP.3, MP.7

- 2–3 Apply Properties: Multiply by 0 and 1 73A
3.OA.B.5, 3.OA.A.1, 3.OA.A.3, 3.OA.D.9, MP.1, MP.2, MP.3, MP.4, MP.5, MP.6

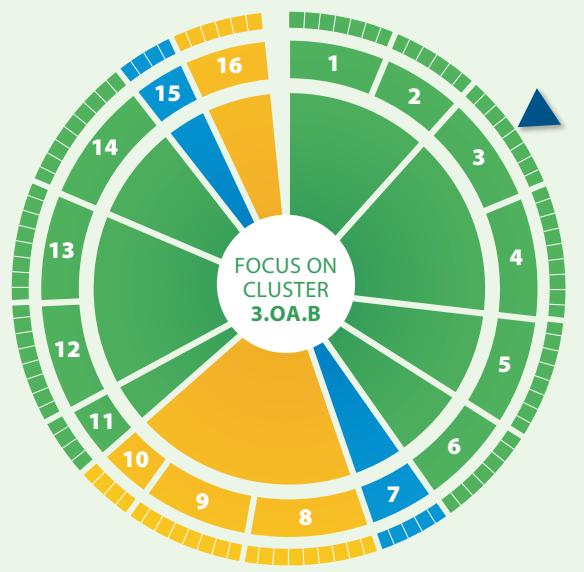
- 2–4 Multiply by 10 79A
3.OA.A.3, 3.OA.A.1, 3.OA.D.9, MP.2, MP.3, MP.4, MP.7, MP.8

- 2–5 Multiplication Facts: 0, 1, 2, 5, 9, and 10 85A
3.OA.A.3, 3.OA.A.1, 3.OA.D.9, MP.3, MP.4, MP.5, MP.6, MP.7

- 2–6 MATH PRACTICES AND PROBLEM SOLVING 91A
Model with Math MP.4, Also MP.1, MP.2, MP.3, MP.5, 3.OA.A.3

Fluency Practice Activity	.97
Vocabulary Review	.98
Reteaching	.99
Topic Assessment	.101–102
Topic Performance Assessment	.103–104

GRADE 3 CONTENTS (continued)

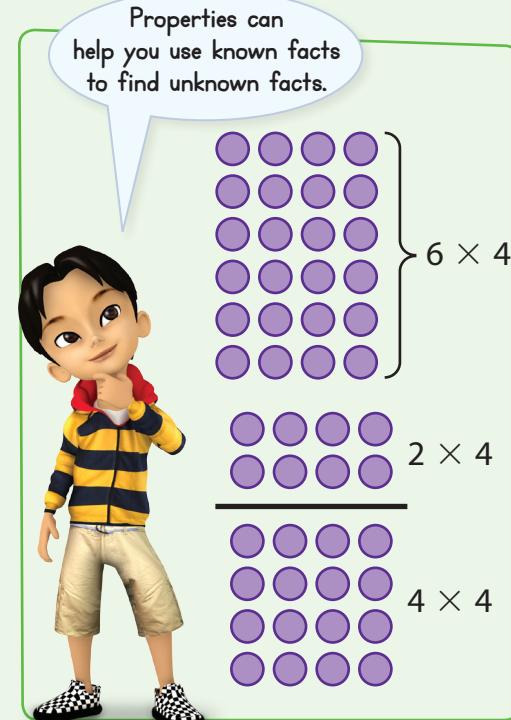


IN TOPICS 3 AND 4, FOCUS ON
MAJOR CLUSTER 3.OA.B

Understand properties of multiplication and the relationship between multiplication and division.

TOPICS 3 AND 4 CLUSTER OVERVIEW

Math Background: Focus	105A
Math Background: Coherence	105C
Math Background: Rigor	105E
Math Practices	105F
Differentiated Instruction	105G
The Language of Math	105H



TOPIC 3

Apply Properties: Multiplication Facts for 3, 4, 6, 7, 8

Planner	105I
Math and Science Project	105
Review What You Know	106–108
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- 3–1** The Distributive Property 109A
3.OA.B.5, MP.2, MP.3, MP.4, MP.6, MP.7
- 3–2** Apply Properties: 3 as a Factor 115A
3.OA.B.5, 3.OA.A.3, 3.OA.D.9, MP.3, MP.5, MP.7, MP.8
- 3–3** Apply Properties: 4 as a Factor 121A
3.OA.B.5, 3.OA.A.3, 3.OA.D.9, MP.1, MP.2, MP.3, MP.7
- 3–4** Apply Properties: 6 and 7 as Factors 127A
3.OA.B.5, 3.OA.A.3, 3.OA.D.9, MP.1, MP.4, MP.5, MP.7
- 3–5** Apply Properties: 8 as a Factor 133A
3.OA.B.5, 3.OA.A.3, 3.OA.D.9, MP.1, MP.4, MP.7, MP.8
- 3–6** Practice Multiplication Facts 139A
3.OA.B.5, 3.OA.A.3, MP.1, MP.2, MP.3, MP.4
- 3–7** The Associative Property: Multiply with 3 Factors 145A
3.OA.B.5, 3.OA.A.3, MP.1, MP.2, MP.3, MP.4, MP.8
- 3–8** MATH PRACTICES AND PROBLEM SOLVING 151A
Repeated Reasoning MP.8, Also MP.1, MP.3, MP.5, MP.7, 3.OA.B.5

Fluency Practice Activity	157
Vocabulary Review	158
Reteaching	159
Topic Assessment	161–162
Topic Performance Assessment	163–164

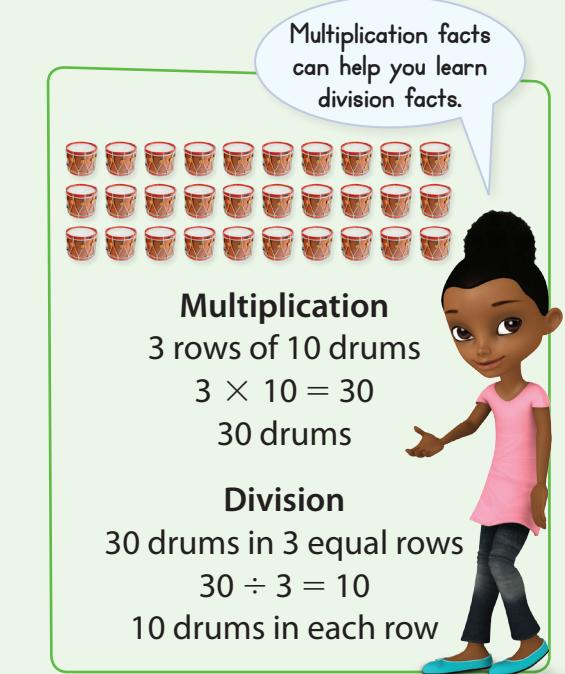


IN TOPICS 3 AND 4, FOCUS ON
MAJOR CLUSTER 3.OA.B

Understand properties of multiplication and the relationship between multiplication and division.

TOPICS 3 AND 4 CLUSTER OVERVIEW

Math Background: Focus	105A
Math Background: Coherence	105C
Math Background: Rigor	105E
Math Practices	105F
Differentiated Instruction	105G
The Language of Math	105H



TOPIC 4

Use Multiplication to Divide: Division Facts

Planner	165A
Math and Science Project	165
Review What You Know	166–168
Vocabulary Cards and Activities	166–168

- 4–1** Relate Multiplication and Division 169A
3.OA.B.6, 3.OA.A.3, MP.1, MP.2, MP.4, MP.5, MP.7, MP.8
- 4–2** Use Multiplication to Divide with 2, 3, 4, and 5 175A
3.OA.B.6, 3.OA.A.3, MP.1, MP.2, MP.3, MP.4, MP.6, MP.7
- 4–3** Use Multiplication to Divide with 6 and 7 181A
3.OA.B.6, 3.OA.A.3, MP.1, MP.2, MP.4
- 4–4** Use Multiplication to Divide with 8 and 9 187A
3.OA.B.6, 3.OA.A.3, MP.2, MP.3, MP.4, MP.7
- 4–5** Multiplication Patterns: Even and Odd Numbers 193A
3.OA.D.9, 3.OA.A.3, MP.1, MP.2, MP.3, MP.4, MP.7, MP.8
- 4–6** Division Involving 0 and 1 199A
3.OA.B.5, 3.OA.B.6, 3.OA.A.3, MP.2, MP.3, MP.6, MP.7
- 4–7** Practice Multiplication and Division Facts 205A
3.OA.B.6, 3.OA.A.3, 3.OA.A.4, MP.1, MP.2, MP.3, MP.4
- 4–8** Solve Multiplication and Division Equations 211A
3.OA.A.4, 3.OA.A.3, MP.1, MP.2, MP.3, MP.6, MP.8
- 4–9** MATH PRACTICES AND PROBLEM SOLVING 217A
Make Sense and Persevere MP.1, Also MP.2, MP.3, MP.6, MP.8
3.OA.A.3, 3.OA.D.8

Fluency Practice Activity	223
Vocabulary Review	224
Reteaching	225–226
Topic Assessment	229–230
Topic Performance Assessment	233–234
Cumulative/Benchmark Assessment Topics 1–4	234B

GRADE 3 CONTENTS (continued)

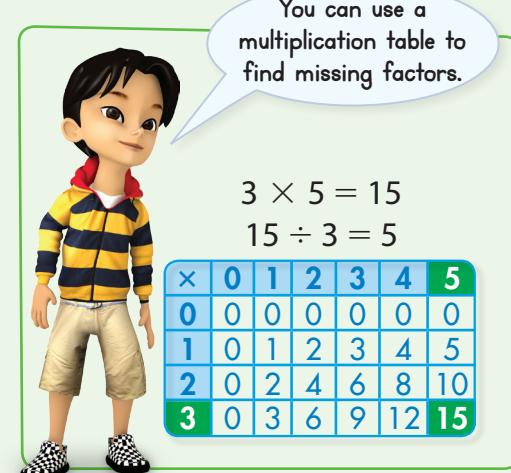


IN TOPIC 5, FOCUS ON
MAJOR CLUSTER 3.OA.C

Multiply and divide within 100.

TOPIC 5 CLUSTER OVERVIEW

Math Background: Focus	235A
Math Background: Coherence	235C
Math Background: Rigor	235E
Math Practices	235F
Differentiated Instruction	235G
The Language of Math	235H



TOPIC 5

Fluently Multiply and Divide Within 100

Planner	235I
Math and Science Project	235
Review What You Know	236
Vocabulary Activities	236

- 5-1 Patterns for Multiplication Facts 237A
3.OA.D.9, 3.OA.C.7, MP.1, MP.3, MP.7, MP.8
- 5-2 Use a Multiplication Table 243A
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- 5-3 Find Missing Numbers in a Multiplication Table 249A
3.OA.C.7, MP.2, MP.3, MP.4, MP.6
- 5-4 Use Strategies to Multiply 255A
3.OA.C.7, 3.OA.A.3, MP.1, MP.3, MP.7
- 5-5 Solve Word Problems: Multiplication and Division Facts 261A
3.OA.C.7, 3.OA.A.3, MP.2, MP.3, MP.4, MP.5, MP.8
- 5-6 Write Math Stories: Multiplication 267A
3.OA.C.7, 3.OA.A.3, MP.1, MP.2, MP.6
- 5-7 Write Math Stories: Division 273A
3.OA.C.7, 3.OA.A.3, MP.1, MP.4, MP.5, MP.6, MP.8
- 5-8 MATH PRACTICES AND PROBLEM SOLVING 279A
Look For and Use Structure MP.7, Also MP.1, MP.3, MP.4, 3.OA.C.7

Fluency Practice Activity	285
Vocabulary Review	286
Reteaching	287–288
Topic Assessment	291–292
Topic Performance Assessment	295–296

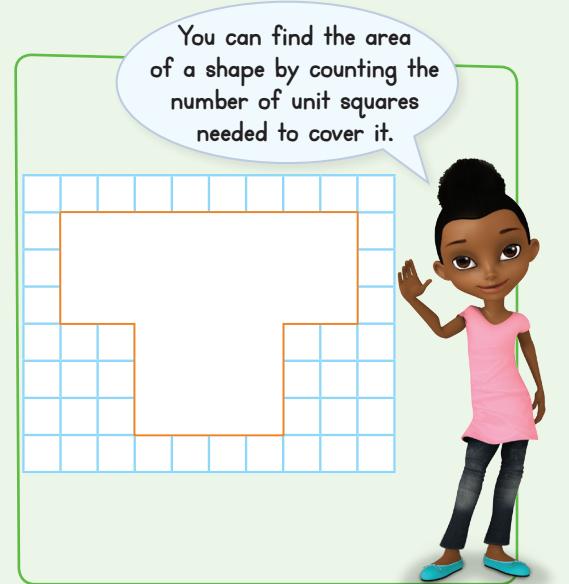


IN TOPIC 6, FOCUS ON
MAJOR CLUSTER 3.MD.C

Geometric measurement: understand concepts of area and relate area to multiplication and division.

TOPIC 6 CLUSTER OVERVIEW

Math Background: Focus	297A
Math Background: Coherence	297C
Math Background: Rigor	297E
Math Practices	297F
Differentiated Instruction	297G
The Language of Math	297H



TOPIC 6

Connect Area to Multiplication and Addition

Planner	297I
Math and Science Project	297
Review What You Know	298–300
Vocabulary Cards and Activities	298–300

- 6-1 Cover Regions 301A
3.MD.C.5a, 3.MD.C.5b, 3.MD.C.6, MP.1, MP.2, MP.3, MP.5, MP.6
- 6-2 Area: Non-Standard Units 307A
3.MD.C.6, 3.MD.C.5a, 3.MD.C.5b, MP.2, MP.3, MP.6
- 6-3 Area: Standard Units 313A
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- 6-4 Area of Squares and Rectangles 319A
3.MD.C.7a, 3.MD.C.7b, MP.1, MP.2, MP.3, MP.4, MP.8
- 6-5 Apply Properties: Area and the Distributive Property 325A
3.MD.C.7c, MP.1, MP.3, MP.4, MP.7, MP.8
- 6-6 Apply Properties: Area of Irregular Shapes 331A
3.MD.C.7d, MP.1, MP.2, MP.7, MP.8
- 6-7 MATH PRACTICES AND PROBLEM SOLVING 337A
Look For and Use Structure MP.7, Also MP.1, MP.2, MP.3, MP.4, MP.5, MP.6, 3.MD.C.7a, 3.MD.C.7b, 3.MD.C.7d

Fluency Practice Activity	343
Vocabulary Review	344
Reteaching	345–346
Topic Assessment	349–350
Topic Performance Assessment	353–354



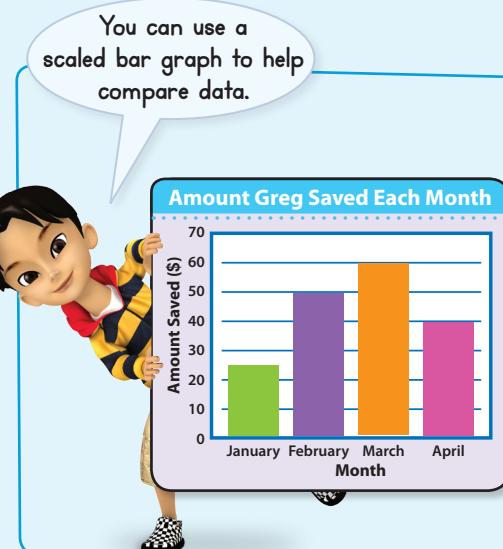
**IN TOPIC 7, FOCUS ON
SUPPORTING CLUSTER 3.MD.B**

Represent and interpret data.

Supporting Cluster 3.MD.B supports Major Cluster 3.OA.A. The Topic 7 problems that involve using a scale to represent equal groups or measurement quantities apply the work with multiplication word problems in Topics 1 and 2.

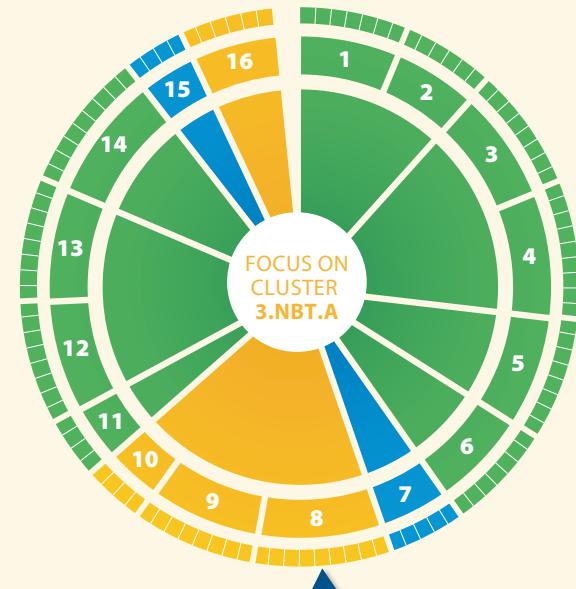
TOPIC 7 CLUSTER OVERVIEW

Math Background: Focus	355A
Math Background: Coherence	355C
Math Background: Rigor	355E
Math Practices	355F
Differentiated Instruction	355G
The Language of Math	355H



TOPIC 7 Represent and Interpret Data

Planner	355I
Math and Science Project	355
Review What You Know	356–358
Vocabulary Cards and Activities	356–358
7–1 Read Picture Graphs and Bar Graphs	359A 3.MD.B.3, 3.OA.A.3, MP.2, MP.6, MP.7, MP.8
7–2 Make Picture Graphs	365A 3.MD.B.3, 3.OA.A.3, MP.1, MP.2, MP.3, MP.4, MP.6
7–3 Make Bar Graphs	371A 3.MD.B.3, 3.OA.A.3, MP.1, MP.2, MP.3, MP.4, MP.5, MP.6
7–4 Solve Word Problems Using Information in Graphs	377A 3.MD.B.3, 3.OA.A.3, 3.OA.D.8, MP.1, MP.3, MP.6, MP.8
7–5 MATH PRACTICES AND PROBLEM SOLVING	383A Precision MP.6, Also MP.1, MP.2, MP.4, MP.7, 3.MD.B.3, 3.OA.A.3
Fluency Practice Activity	389
Vocabulary Review	390
Reteaching	391–392
Topic Assessment	395–396
Topic Performance Assessment	399–400

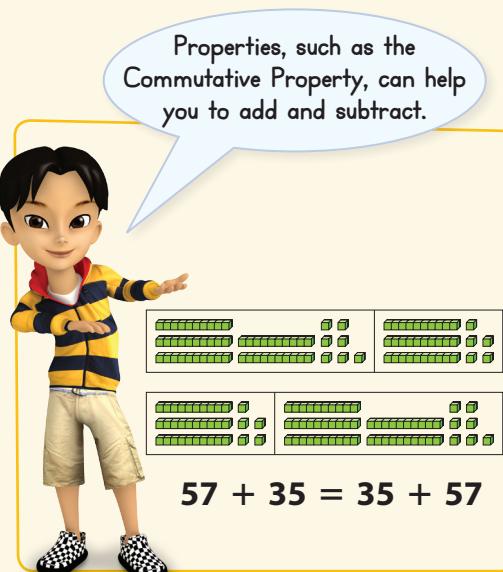


**IN TOPICS 8–10, FOCUS ON
ADDITIONAL CLUSTER 3.NBT.A**

Use place value understanding and properties of operations to perform multi-digit arithmetic.

TOPICS 8–10 CLUSTER OVERVIEW

Math Background: Focus	401A
Math Background: Coherence	401C
Math Background: Rigor	401E
Math Practices	401F
Differentiated Instruction	401G
The Language of Math	401H

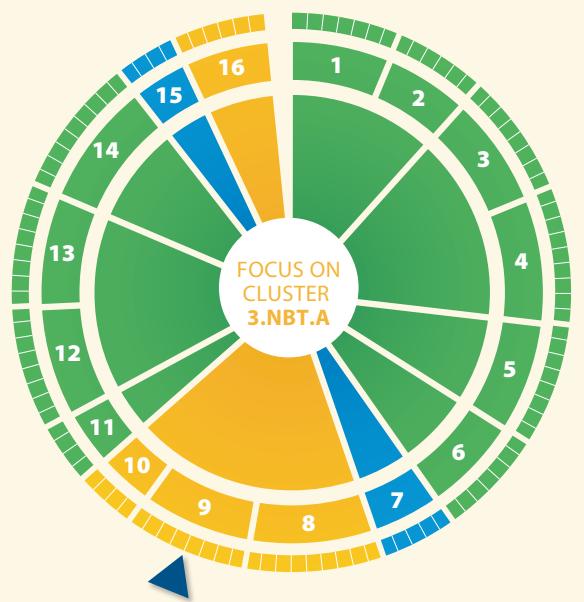


TOPIC 8 Use Strategies and Properties to Add and Subtract

Planner	401I
Math and Science Project	401
Review What You Know	402–404
Vocabulary Cards and Activities	402–404

8–1 Addition Properties	405A 3.NBT.A.2, MP.1, MP.3, MP.4, MP.7, MP.8
8–2 Algebra: Addition Patterns	411A 3.OA.D.9, MP.7, MP.8
8–3 Round Whole Numbers	417A 3.NBT.A.1, MP.1, MP.3, MP.6
8–4 Mental Math: Addition	423A 3.NBT.A.2, MP.1, MP.3, MP.4, MP.5, MP.6, MP.7
8–5 Mental Math: Subtraction	429A 3.NBT.A.2, MP.1, MP.3, MP.4, MP.7, MP.8
8–6 Estimate Sums	435A 3.NBT.A.2, MP.2, MP.3, MP.4, MP.6
8–7 Estimate Differences	441A 3.NBT.A.2, MP.1, MP.2, MP.4, MP.8
8–8 Relate Addition and Subtraction	447A 3.NBT.A.2, MP.2, MP.3, MP.4
8–9 MATH PRACTICES AND PROBLEM SOLVING	453A Model with Math MP.4, Also MP.1, MP.2, MP.3, MP.5, 3.NBT.A.2

Fluency Practice Activity	459
Vocabulary Review	460
Reteaching	461–462
Topic Assessment	465–466
Topic Performance Assessment	469–470
Cumulative/Benchmark Assessment Topics 1–8	470B



IN TOPICS 8–10, FOCUS ON
ADDITIONAL CLUSTER 3.NBT.A
Use place value understanding and properties of operations to perform multi-digit arithmetic.

TOPICS 8–10 CLUSTER OVERVIEW

Math Background: Focus	401A
Math Background: Coherence	401C
Math Background: Rigor	401E
Math Practices	401F
Differentiated Instruction	401G
The Language of Math	401H

Algorithms can help you use place value to add and subtract.

$$\begin{array}{r} 528 \\ - 341 \\ \hline 7 \end{array} \quad \begin{array}{r} 412 \\ 528 \\ - 341 \\ \hline 87 \end{array} \quad \begin{array}{r} 412 \\ 528 \\ - 341 \\ \hline 187 \end{array}$$

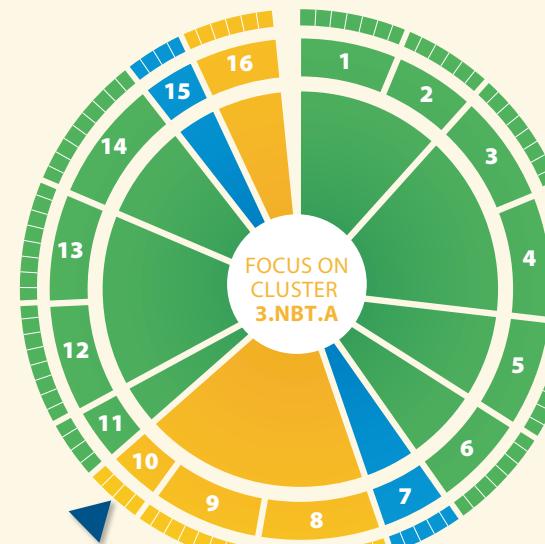
TOPIC 9

Fluently Add and Subtract Within 1,000

Planner	471A
Math and Science Project	471
Review What You Know	472–474
Vocabulary Cards and Activities	472–474

- 9–1 Use Partial Sums to Add 475A
3.NBT.A.2, MP.1, MP.3, MP.4, MP.5, MP.7
- 9–2 Add 3-Digit Numbers 481A
3.NBT.A.2, MP.1, MP.3, MP.4, MP.5
- 9–3 Continue to Add 3-Digit Numbers 487A
3.NBT.A.2, MP.1, MP.2, MP.3, MP.6, MP.7, MP.8
- 9–4 Add 3 or More Numbers 493A
3.NBT.A.2, MP.2, MP.3, MP.4, MP.8
- 9–5 Use Partial Differences to Subtract 499A
3.NBT.A.2, MP.3, MP.6, MP.7, MP.8
- 9–6 Subtract 3-Digit Numbers 505A
3.NBT.A.2, MP.1, MP.2, MP.4, MP.5, MP.8
- 9–7 Continue to Subtract 3-Digit Numbers 511A
3.NBT.A.2, MP.1, MP.2, MP.3, MP.4, MP.5, MP.8
- 9–8 MATH PRACTICES AND PROBLEM SOLVING 517A
Construct Arguments MP.3, Also MP.1, MP.2, MP.4, MP.7, 3.NBT.A.2

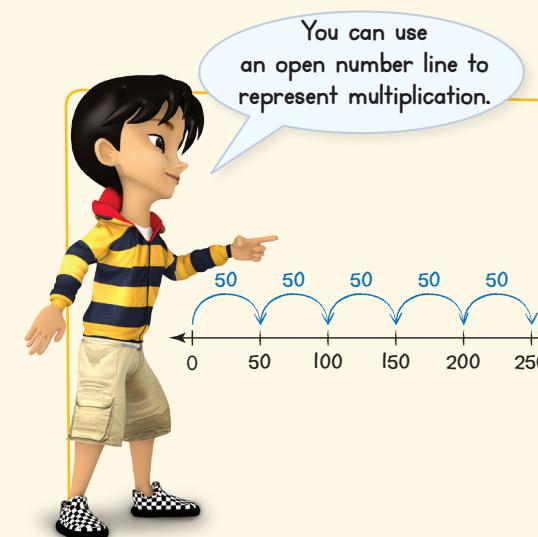
Fluency Practice Activity	523
Vocabulary Review	524
Reteaching	525–526
Topic Assessment	529–530
Topic Performance Assessment	533–534



IN TOPICS 8–10, FOCUS ON
ADDITIONAL CLUSTER 3.NBT.A
Use place value understanding and properties of operations to perform multi-digit arithmetic.

TOPICS 8–10 CLUSTER OVERVIEW

Math Background: Focus	401A
Math Background: Coherence	401C
Math Background: Rigor	401E
Math Practices	401F
Differentiated Instruction	401G
The Language of Math	401H



TOPIC 10

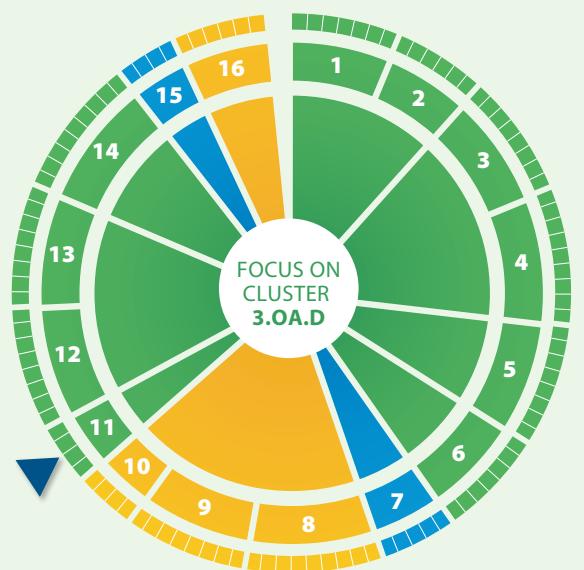
Multiply by Multiples of 10

Planner	535A
Math and Science Project	535
Review What You Know	536–538
Vocabulary Cards and Activities	536–538

- 10–1 Use an Open Number Line to Multiply 539A
3.NBT.A.3, MP.2, MP.4, MP.7, MP.8
- 10–2 Use Properties to Multiply 545A
3.NBT.A.3, MP.1, MP.3, MP.6, MP.7
- 10–3 Multiply by Multiples of 10 551A
3.NBT.A.3, MP.1, MP.3, MP.4, MP.5, MP.7, MP.8
- 10–4 MATH PRACTICES AND PROBLEM SOLVING 557A
Look For and Use Structure MP.7, Also MP.1, MP.3, MP.4, MP.8, 3.NBT.A.3

Fluency Practice Activity	563
Vocabulary Review	564
Reteaching	565
Topic Assessment	567–568
Topic Performance Assessment	569–570

GRADE 3 CONTENTS (continued)



IN TOPIC 11, FOCUS ON
MAJOR CLUSTER 3.OA.D
Solve problems involving the four operations, and identify and explain patterns in arithmetic.

TOPIC 11 CLUSTER OVERVIEW

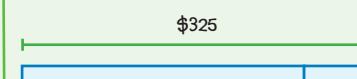
Math Background: Focus	571A
Math Background: Coherence	571C
Math Background: Rigor	571E
Math Practices	571F
Differentiated Instruction	571G
The Language of Math	571H

You can use unknowns and bar diagrams to represent steps of a problem.

g = cost of GPS system for the week



c = cost of the car without the GPS



TOPIC 11

Use Operations with Whole Numbers to Solve Problems

Planner	571I
Math and Science Project	571
Review What You Know	572
Vocabulary Activities	572
11-1 Solve 2-Step Word Problems: Addition and Subtraction	573A
3.OA.D.8, MP.1, MP.2, MP.3, MP.4	
11-2 Solve 2-Step Word Problems: Multiplication and Division	579A
3.OA.D.8, MP.1, MP.2, MP.3, MP.4, MP.6, MP.8	
11-3 Solve 2-Step Word Problems: All Operations	585A
3.OA.D.8, MP.1, MP.2, MP.3, MP.4, MP.7	
11-4 MATH PRACTICES AND PROBLEM SOLVING	591A
Critique Reasoning, MP.3, Also MP.1, MP.2, MP.5, MP.6, 3.OA.D.8	

Fluency Practice Activity	597
Vocabulary Review	598
Reteaching	599
Topic Assessment	601–602
Topic Performance Assessment	603–604

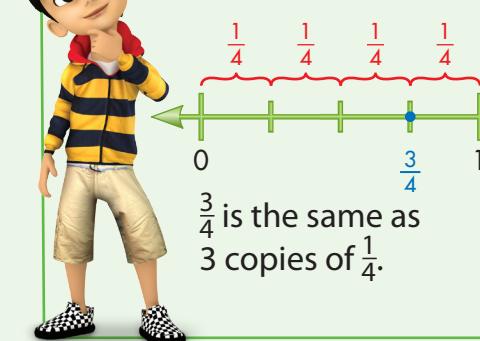


IN TOPICS 12 AND 13, FOCUS ON
MAJOR CLUSTER 3.NF.A
Develop understanding of fractions as numbers.

TOPICS 12 AND 13 CLUSTER OVERVIEW

Math Background: Focus	605A
Math Background: Coherence	605C
Math Background: Rigor	605E
Math Practices	605F
Differentiated Instruction	605G
The Language of Math	605H

You can represent fractions as equal parts of a number line.



TOPIC 12

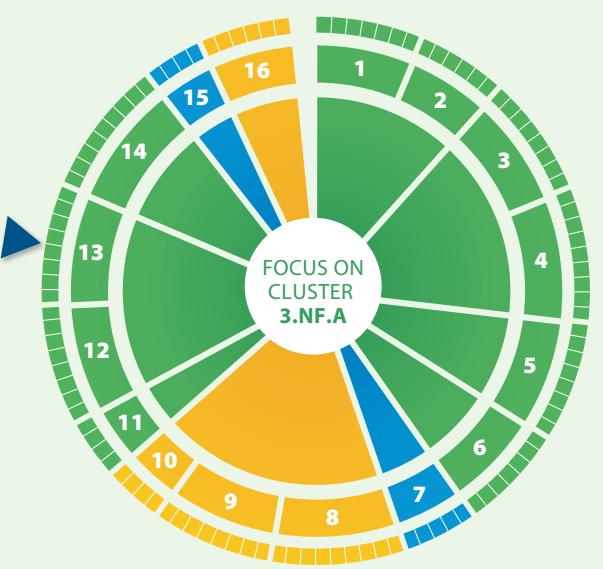
Understand Fractions as Numbers

Planner	605I
Math and Science Project	605
Review What You Know	606–608
Vocabulary Cards and Activities	606–608

12-1 Divide Regions into Equal Parts	609A
3.NF.A.1, 3.G.A.2, MP.1, MP.2, MP.3, MP.4, MP.6, MP.7	
12-2 Fractions and Regions	615A
3.NF.A.1, 3.G.A.2, MP.1, MP.2, MP.4, MP.6	
12-3 Understand the Whole	621A
3.NF.A.3c, 3.NF.A.1, MP.2, MP.3, MP.7, MP.8	
12-4 Number Line: Fractions Less Than 1	627A
3.NF.A.2a, 3.NF.A.2b, MP.3, MP.4, MP.6	
12-5 Number Line: Fractions Greater Than 1	633A
3.NF.A.2b, 3.NF.A.2a, MP.3, MP.4, MP.5, MP.6, MP.8	
12-6 Line Plots and Length	639A
3.MD.B.4, MP.1, MP.2	
12-7 More Line Plots and Length	645A
3.MD.B.4, MP.1, MP.2, MP.4, MP.5, MP.6	
12-8 MATH PRACTICES AND PROBLEM SOLVING	651A
Make Sense and Persevere MP.1, Also MP.2, MP.3, MP.6, 3.NF.A.1	

Fluency Practice Activity	657
Vocabulary Review	658
Reteaching	659–660
Topic Assessment	663–664
Topic Performance Assessment	667–668
Cumulative/Benchmark Assessment Topics 1–12	668B

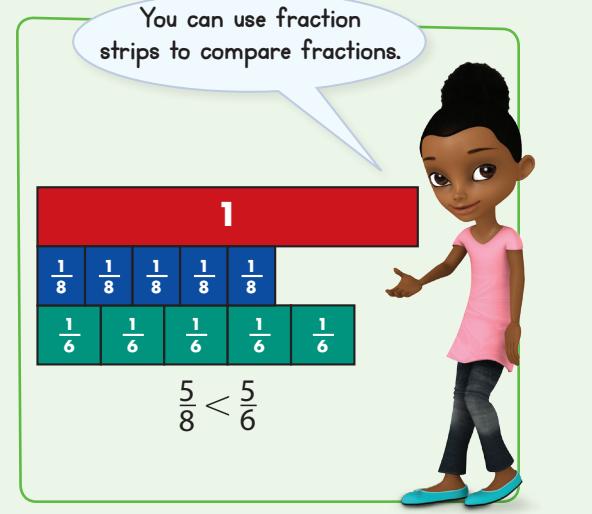
GRADE 3 CONTENTS (continued)



IN TOPICS 12 AND 13, FOCUS ON
MAJOR CLUSTER 3.NF.A
Develop understanding of fractions as numbers.

TOPICS 12 AND 13 CLUSTER OVERVIEW

Math Background: Focus	605A
Math Background: Coherence	605C
Math Background: Rigor	605E
Math Practices	605F
Differentiated Instruction	605G
The Language of Math	605H



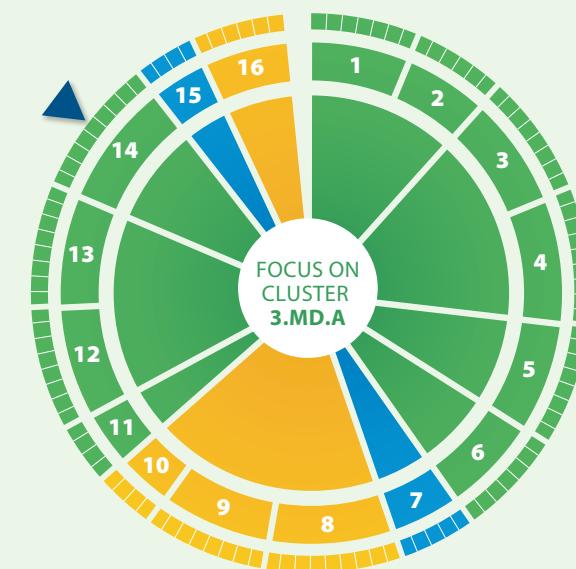
TOPIC 13

Fraction Equivalence and Comparison

Planner	669A
Math and Science Project	669
Review What You Know	670–672
Vocabulary Cards and Activities	670–672

- 13-1 Equivalent Fractions: Use Models 673A
3.NF.A.3a, 3.NF.A.3b, MP.2, MP.4, MP.5, MP.7
- 13-2 Equivalent Fractions: Use the Number Line 679A
3.NF.A.3a, 3.NF.A.3b, MP.3, MP.4, MP.5
- 13-3 Use Models to Compare Fractions: Same Denominator 685A
3.NF.A.3d, MP.2, MP.3, MP.5, MP.6, MP.8
- 13-4 Use Models to Compare Fractions: Same Numerator 691A
3.NF.A.3d, MP.2, MP.3, MP.4, MP.6
- 13-5 Compare Fractions: Use Benchmarks 697A
3.NF.A.3d, MP.1, MP.2, MP.3
- 13-6 Compare Fractions: Use the Number Line 703A
3.NF.A.3d, MP.2, MP.3, MP.6, MP.7
- 13-7 Whole Numbers and Fractions 709A
3.NF.A.3c, 3.NF.A.3a, MP.2, MP.3, MP.7
- 13-8 MATH PRACTICES AND PROBLEM SOLVING 715A
Construct Arguments MP.3, Also MP.1, MP.4, MP.5, MP.6
3.NF.A.3b, 3.NF.A.3d

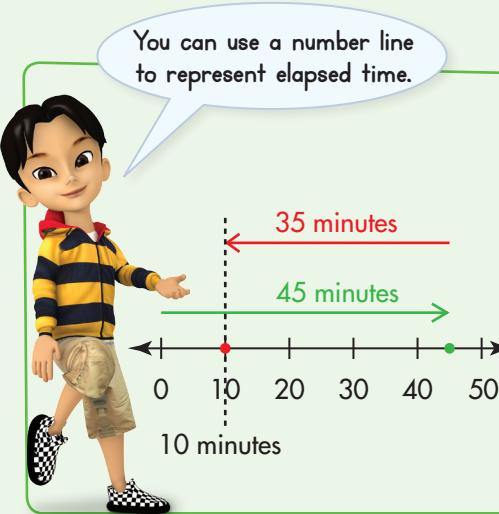
Fluency Practice Activity	721
Vocabulary Review	722
Reteaching	723–724
Topic Assessment	727–728
Topic Performance Assessment	731–732



IN TOPIC 14, FOCUS ON
MAJOR CLUSTER 3.MD.A
Solve problems involving measurement and estimation intervals of time, liquid volumes, and masses of objects.

TOPIC 14 CLUSTER OVERVIEW

Math Background: Focus	733A
Math Background: Coherence	733C
Math Background: Rigor	733E
Math Practices	733F
Differentiated Instruction	733G
The Language of Math	733H



TOPIC 14

Solve Time, Capacity, and Mass Problems

Planner	733I
Math and Science Project	733
Review What You Know	734
Vocabulary Cards and Activities	735–736

- 14-1 Time to the Minute 739A
3.MD.A.1, MP.3, MP.4, MP.5, MP.6
- 14-2 Units of Time: Measure Elapsed Time 745A
3.MD.A.1, MP.1, MP.2, MP.3
- 14-3 Units of Time: Solve Word Problems 751A
3.MD.A.1, MP.1, MP.2, MP.3, MP.4
- 14-4 Estimate Liquid Volume 757A
3.MD.A.2, MP.1, MP.2, MP.4, MP.6, MP.8
- 14-5 Measure Liquid Volume 763A
3.MD.A.2, MP.3, MP.4, MP.5, MP.6, MP.8
- 14-6 Estimate Mass 769A
3.MD.A.2, MP.2, MP.3, MP.4, MP.5
- 14-7 Measure Mass 775A
3.MD.A.2, MP.1, MP.2, MP.3, MP.6, MP.7
- 14-8 Solve Word Problems Involving Mass and Liquid Volume 781A
3.MD.A.2, MP.1, MP.2, MP.4, MP.6
- 14-9 MATH PRACTICES AND PROBLEM SOLVING 787A
Reasoning MP.2, Also MP.1, MP.3, MP.4, MP.6, MP.8, 3.MD.A.1

Fluency Practice Activity	793
Vocabulary Review	794
Reteaching	795–796
Topic Assessment	799–800
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