

## IN TOPIC 1, FOCUS ON MAJOR CLUSTER 4.NBT.A

Generalize place value understanding for multi-digit whole numbers.

### CLUSTER OPENER

Overview .....	1A
Math Background.....	1C
Math Practices .....	1E
Math Progressions.....	1F
Differentiated Instruction.....	1G
The Language of Math .....	1H

Here are different ways to show 47,062

hundred thousands	ten thousands	one thousands	hundreds	tens	ones
4	7	0	6	2	

expanded form:  $40,000 + 7,000 + 60 + 2$   
 standard form: 47,062  
 word form: forty-seven thousand, sixty-two

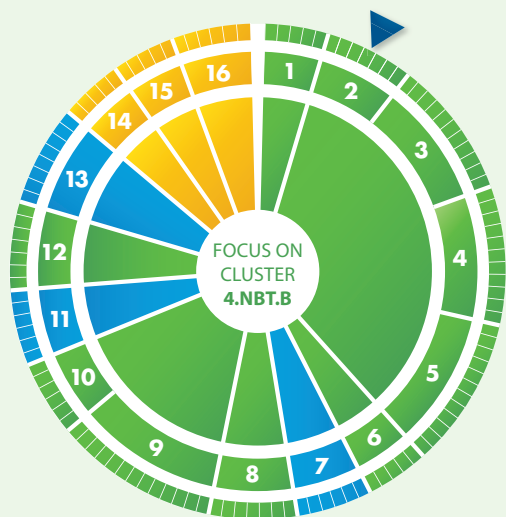
## TOPIC 1

### Generalize Place Value Understanding

Planner .....	1
Math and Science Project .....	1
Review What You Know .....	2
Vocabulary Cards and Activities .....	2

1-1	<b>Numbers Through One Million</b> .....	3A
	4.NBT.A.1, 4.NBT.A.2, MP.3, MP.4	
1-2	<b>Place Value Relationships</b> .....	9A
	4.NBT.A.1, 4.NBT.A.2, MP.2, MP.5, MP.6	
1-3	<b>Compare Whole Numbers</b> .....	15A
	4.NBT.A.2, MP.2, MP.4	
1-4	<b>Round Whole Numbers</b> .....	21A
	4.NBT.A.2, MP.7, MP.8	
1-5	<b>USE MATH PRACTICES TO SOLVE PROBLEMS</b> .....	27A
	Focus: Model with Mathematics MP.4, Also MP.1, MP.6, 4.NBT.A.1	

Fluency Practice Activity .....	00
Vocabulary Review .....	00
Reteaching .....	00
Topic Assessment .....	00
Topic Performance Assessment .....	00
Placement Test .....	00A
Basic-Facts Timed Tests .....	00C



IN TOPICS 2–5, FOCUS ON

### MAJOR CLUSTER 4.NBT.B

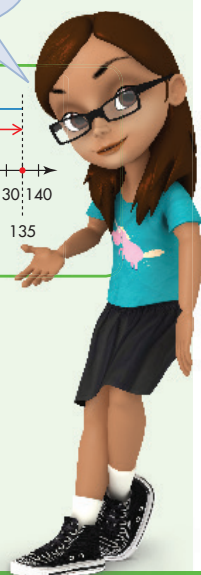
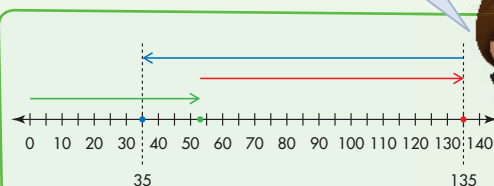
Use place value understanding to perform multi-digit arithmetic.

KEY CONNECTION: 4.OA.A (SEE P. 41A)

#### CLUSTER OPENER

Overview .....	41A
Math Background.....	41C
Math Practices .....	41E
Math Progressions.....	41G
Differentiated Instruction.....	41K
The Language of Math .....	41L

This number line shows how to find  $54 + 81 - 100$ .



## TOPIC 2 Fluently Add and Subtract Multi-Digit Whole Numbers

Planner .....	41M
Fluency Activities .....	41O
Math and Science Project .....	41
Review What You Know .....	42
Vocabulary Cards and Activities .....	42A

**2-1 USE MATH PRACTICES TO SOLVE PROBLEMS** ..... 43A  
Focus: Critique Reasoning MP.3, Also MP.2, MP.7, MP.8, 4.NBT.A.4

**2-2 Mental Math: Find Sums and Differences** ..... 49A  
4.NBT.A.4, 4.OA.A.3, MP.3, MP.4, MP.5

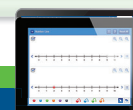
**2-3 Mental Math: Estimate Sums and Differences** ..... 55A  
4.NBT.B.4, MP.2, MP.4

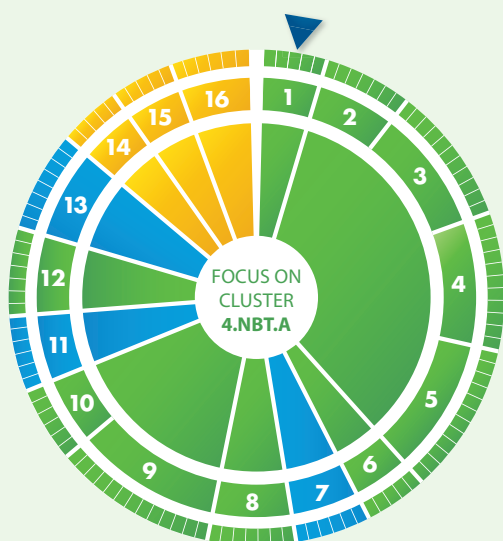
**2-4 Add Whole Numbers** ..... 61A  
4.NBT.B.4, 4.OA.A.3, MP.5, MP.7

**2-5 Subtract Whole Numbers** ..... 67A  
4.NBT.B.4, 4.OA.A.3, MP.3, MP.5

**2-6 Subtract Across Zeros** ..... 73A  
4.NBT.B.4, 4.OA.A.3, MP.2, MP.6

Fluency Practice Activity .....	00
Vocabulary Review .....	00
Reteaching .....	00
Topic Assessment.....	00
Topic Performance Assessment .....	00
Fluency Assessments .....	00A





## TOPIC 1

### Generalize Place Value Understanding

Planner .....	1G
Math and Science Project .....	1
Review What You Know .....	2
Vocabulary Cards and Activities .....	3

1-1	<b>Numbers Through One Million</b> .....	5A
	4.NBT.A.1, 4.NBT.A.2, MP.3, MP.4	
1-2	<b>Place Value Relationships</b> .....	11A
	4.NBT.A.1, 4.NBT.A.2, MP.2, MP.5, MP.6	
1-3	<b>Compare Whole Numbers</b> .....	17A
	4.NBT.A.2, MP.2, MP.4	
1-4	<b>Round Whole Numbers</b> .....	23A
	4.NBT.A.2, MP.7, MP.8	
1-5	<b>USE MATH PRACTICES TO SOLVE PROBLEMS.</b> .....	29A

Reteaching .....	35
Topic Assessments .....	37

#### IN TOPIC 1, FOCUS ON

#### MAJOR CLUSTER 4.NBT.A

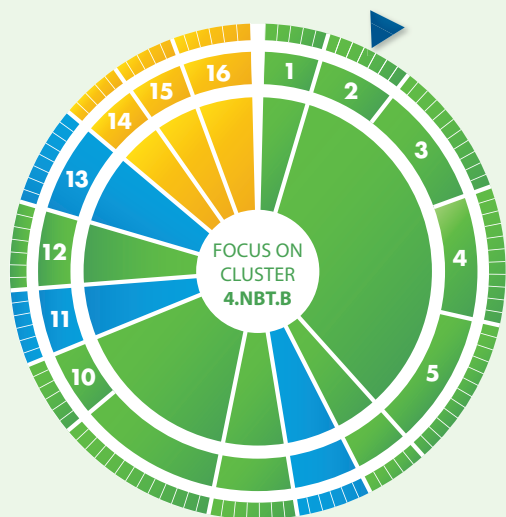
Generalize place value understanding for multi-digit whole numbers.

#### CLUSTER OPENER

Overview .....	1A
Math Background .....	1C
Math Practices .....	1E
Math Progressions .....	1F

Hi, I'm Daniel.  
Here are different ways  
to show 47,062

expanded form:  $40,000 + 7,000 + 60 + 2$   
 standard form: 47,062  
 word form: forty-seven thousand, sixty-two



# IN TOPICS 2–5, FOCUS ON MAJOR CLUSTER 4.NBT.B

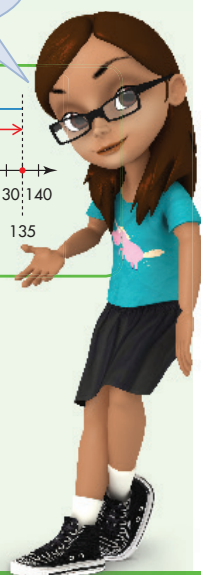
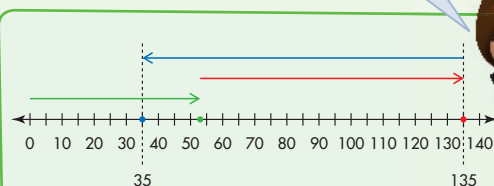
Use place value understanding to perform multi-digit arithmetic.

KEY CONNECTION: 4.NBT.B (SEE P. 000C.)

## CLUSTER OPENER

Overview .....	41A
Math Background.....	41C
Math Practices .....	41E
Math Progressions.....	41G

Hi, I'm Marta.  
This number line shows how  
to find  $54 + 81 - 100$ .



## TOPIC 2 Fluently Add and Subtract Multi-Digit Whole Numbers

Planner .....	41K
Math and Science Project .....	41
Review What You Know .....	42-44
Vocabulary Cards and Activities .....	42-44

2-1 **USE MATH PRACTICES TO SOLVE PROBLEMS** ..... 45A

2-2 **Mental Math: Find Sums and Differences** ..... 51A  
4.NBT.A.4, 4.OA.A.3, **MP.3, MP.4, MP.5**

2-3 **Mental Math: Estimate Sums and Differences** ..... 57A  
4.NBT.B.4, **MP.2, MP.4**

2-4 **Add Whole Numbers** ..... 63A  
4.NBT.B.4, 4.OA.A.3, **MP.5, MP.7**

2-5 **Subtract Whole Numbers** ..... 69A  
4.NBT.B.4, 4.OA.A.3, **MP.3, MP.5**

2-6 **Subtract Across Zeros** ..... 75A  
4.NBT.B.4, 4.OA.A.3, **MP.2, MP.6**

Fluency Practice: Add and Subtract Multi-Digit Whole Numbers.....	81
Reteaching .....	83
Topic Assessments .....	87
Fluency Assessments: Add and Subtract Multi-Digit Whole Numbers .....	90A

[ **Connected lessons** develop the same mathematical ideas. ]

