Video Lesson

Regrouping Basics

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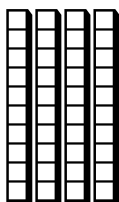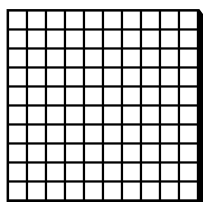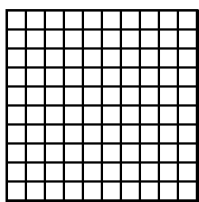
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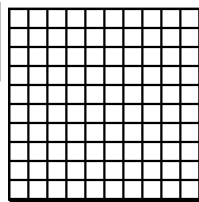
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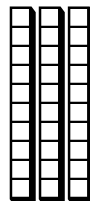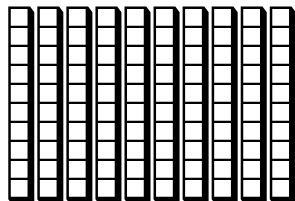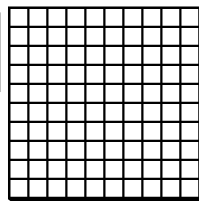
TAKING ON THE B.E.S.T.

Video Lesson **Decomposing Numbers #1**

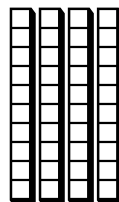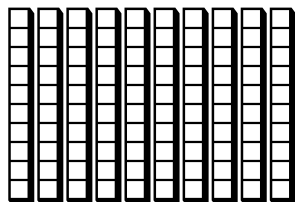**1** Decompose this number THREE different ways.

3,406		

2 Decompose this number THREE different ways.

710		

1 Which of the following shows a way to decompose 5,432?
Ⓐ 5 thousands + 43 hundreds + 2 ones
Ⓑ 5 thousands + 4 hundreds + 32 tens
Ⓒ 54 hundreds + 32 tens
Ⓓ 54 hundreds + 32 ones

2 Which of the following shows a way to decompose 1,079?
Ⓐ 10 hundreds + 7 tens + 9 ones
Ⓑ 10 hundreds + 79 tens
Ⓒ 1 thousand + 79 tens
Ⓓ 1 thousand + 7 hundreds + 9 ones

3 Which of the following shows a way to decompose 3,960?
Ⓐ 3 thousands + 9 hundreds + 60 tens
Ⓑ 39 hundreds + 60 ones
Ⓒ 396 tens + 60 ones
Ⓓ 396 ones

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1 Select all of the ways to decompose 874.
- Ⓐ 8 hundreds + 7 tens + 4 ones
- Ⓑ 87 hundreds + 4 ones
- Ⓒ 87 tens + 4 ones
- Ⓓ 874 ones
- Ⓔ 874 tens

2 Select all of the ways to decompose 2,032.
- Ⓐ 203 tens + 2 ones
- Ⓑ 20 hundreds + 30 tens + 2 ones
- Ⓒ 2 thousands + 3 hundreds + 2 ones
- Ⓓ 20 hundreds + 3 tens + 2 ones
- Ⓔ 2 thousands + 30 tens + 2 ones

3 Select all of the ways to decompose 1,456.
- Ⓐ 14 hundreds + 56 ones
- Ⓑ 14 hundreds + 50 tens + 6 ones
- Ⓒ 1 thousand + 456 ones
- Ⓓ 1 thousand + 45 tens + 6 ones
- Ⓔ 145 hundreds + 6 ones

1 Decompose this number THREE different ways by regrouping at least one digit.

3,406		

2 Decompose this number THREE different ways by regrouping at least one digit.

899		

1 Which of the following shows a way to decompose 6,027?
Ⓐ 5 thousands + 102 tens + 7 ones
Ⓑ 5 thousands + 2 tens + 17 ones
Ⓒ 6 thousands + 12 hundreds + 7 ones
Ⓓ 6 thousands + 2 tens + 17 ones

2 Which of the following shows a way to decompose 2,243?
Ⓐ 2 thousands + 1 hundred + 53 ones
Ⓑ 2 thousands + 1 hundred + 153 ones
Ⓒ 1 thousand + 11 hundreds + 43 ones
Ⓓ 1 thousand + 11 hundreds + 143 ones

3 Which of the following shows a way to decompose 7,815?
Ⓐ 6 thousands + 18 hundreds + 15 tens
Ⓑ 6 thousands + 8 hundreds + 25 ones
Ⓒ 7 thousands + 7 hundreds + 11 tens + 5 ones
Ⓓ 7 thousands + 8 hundreds + 11 tens + 5 ones

1 Select all of the ways to decompose 513.
Ⓐ 4 hundreds + 10 tens + 13 ones
Ⓑ 4 hundreds + 11 tens + 3 ones
Ⓒ 5 hundreds + 1 ten + 3 ones
Ⓓ 5 hundreds + 11 tens + 3 ones
Ⓔ 5 hundreds + 11 tens + 13 ones

2 Select all of the ways to decompose 3,559.
Ⓐ 2 thousands + 5 hundreds + 15 tens + 9 ones
Ⓑ 2 thousands + 15 hundreds + 4 tens + 19 ones
Ⓒ 34 hundreds + 15 tens + 9 ones
Ⓓ 34 hundreds + 15 tens + 59 ones
Ⓔ 3 thousands + 54 tens + 19 ones

3 Select all of the ways to decompose 6,427.
Ⓐ 5 thousands + 4 hundreds + 37 ones
Ⓑ 5 thousands + 141 tens + 17 ones
Ⓒ 5 thousands + 14 hundreds + 17 ones
Ⓓ 6 thousands + 42 tens + 7 ones
Ⓔ 6 thousands + 42 hundreds + 7 ones

1 Compose the amounts to find the value of the expression.

73 hundreds + 28 ones

2 Compose the amounts to find the value of the expression.

6 thousands + 11 tens + 4 ones

TAKING ON THE B.E.S.T.

1 Compose the amounts to find the value of the expression.

16 hundreds + 42 ones

2 Compose the amounts to find the value of the expression.

3 thousands + 19 tens + 3 ones

TAKING ON THE B.E.S.T.

Use the number 1,862 to complete the following tasks.

PART ONE

Express the number using only **hundreds** and **ones**. Model with a drawing.

PART TWO

Express the number using only **thousands, tens and ones**. Model with a drawing.

MA.3.NSO.I.2

Math Misconception Mystery
(PAGE I)

BEFORE THE VIDEO: Solve the problem on your own.

> Express the number 2,438 using only tens and ones.

DURING THE VIDEO: Pause after each "character" solves the problem and jot down quick notes to help you remember what they did correctly or incorrectly. .

Character #1 _____	Character #2 _____
Character #3 _____	**Character #4** _____

MA.3.NSO.I.2

Math Misconception Mystery (PAGE 2)

AFTER THE VIDEO: Discuss and analyze their answers.

The most reasonable answer belongs to Character # _____ because

_____

_____

_____

_____

(Justify how this character's work makes sense.)

Let's help the others:			
	Character #___:	Character #___:	Character #___:
What did this character do that was correct?			
Identify their error			
What do they need to know to understand for next time?			