

## Grade 4 – NUMERACY – LESSON 1

### Break it Down! – Visualizing and Decomposing Numbers

Numbers to 1000 represent quantities that can be decomposed into 100s, 10's and 1s.

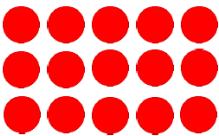
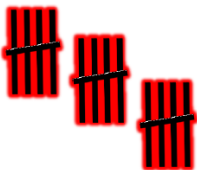
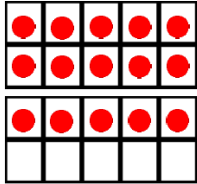
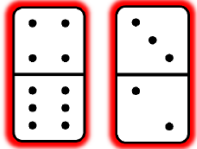

Choose a number for the centre of the graphic organizer. Decide on how many places you will use (10s, 100s, or 1000s). You can roll dice or draw playing cards to randomize the number. Write ten different ways to show that number (base 10 blocks, addition sentence, dots, tally marks, number words, multiplication, pictures, etc).

Here is a video example demonstrating composing and decomposing:

[Compose and Decompose Numbers More Than One Way](#)

\*Extend: Choose an amount of money (i.e., \$150). What are some different ways you can make this amount with bills? What are three items that cost this much?

Here is an example of different ways to represent 15:

Name: _____			Number Sense
Directions: Using the number in the center, show different ways to represent that number.			<b>Example</b>
$10 + 5$	fifteen	$18 - 3$	
	<b>15</b> Number		
			$12 + 3$

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You can use this image, the attached PDF, or create your own.

<b>Name:</b> _____			Number Sense
Directions: Using the number in the center, show different ways to represent that number.			
	Number		

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<b>Name:</b> _____			Number Sense
Directions: Using the number in the center, show different ways to represent that number.			
	Number		

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