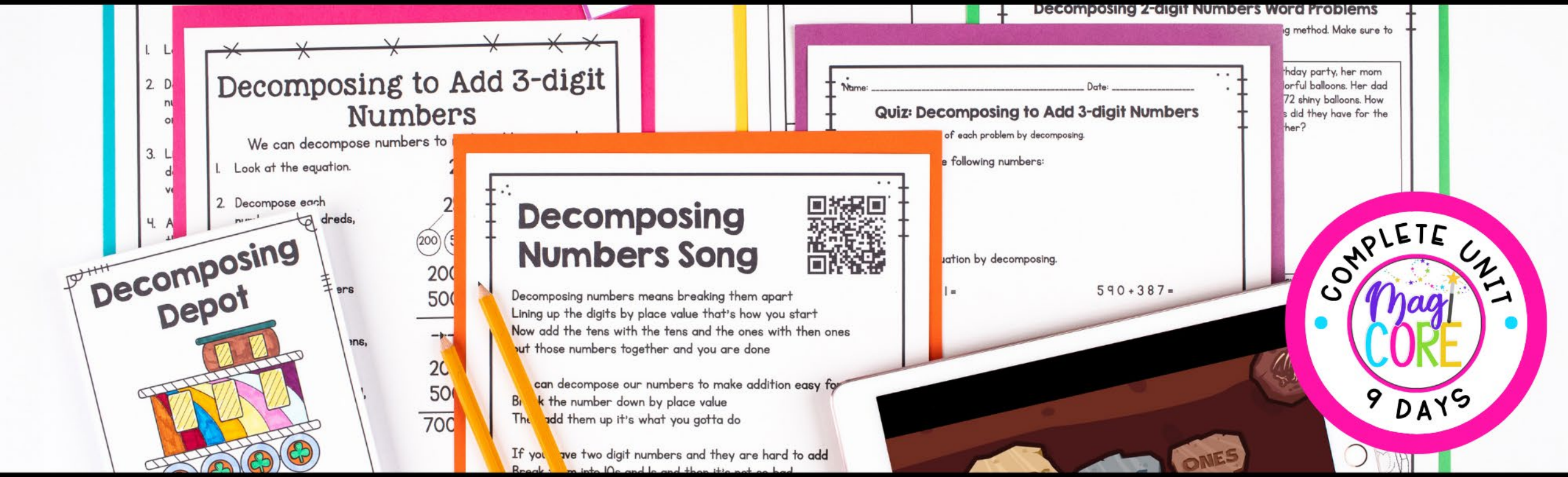
CENTER GAME, MINI-BOOK, ANCHOR CHARTS, WORKSHEETS

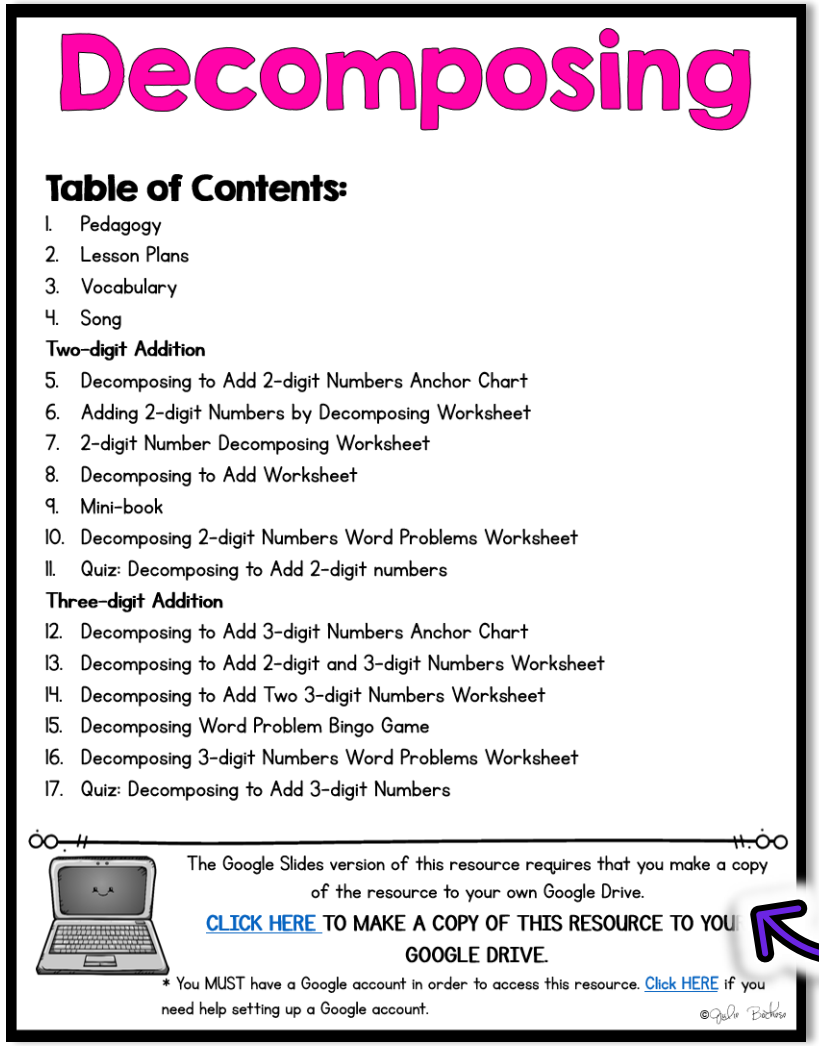
2nd Grade

DECOMPOSING NUMBERS



PRINTABLE • GOOGLE SLIDES

WHAT'S INSIDE?



Decomposing

Table of Contents:

1. Pedagogy
2. Lesson Plans
3. Vocabulary
4. Song

Two-digit Addition

5. Decomposing to Add 2-digit Numbers Anchor Chart
6. Adding 2-digit Numbers by Decomposing Worksheet
7. 2-digit Number Decomposing Worksheet
8. Decomposing to Add Worksheet
9. Mini-book
10. Decomposing 2-digit Numbers Word Problems Worksheet
11. Quiz: Decomposing to Add 2-digit numbers

Three-digit Addition

12. Decomposing to Add 3-digit Numbers Anchor Chart
13. Decomposing to Add 2-digit and 3-digit Numbers Worksheet
14. Decomposing to Add Two 3-digit Numbers Worksheet
15. Decomposing Word Problem Bingo Game
16. Decomposing 3-digit Numbers Word Problems Worksheet
17. Quiz: Decomposing to Add 3-digit Numbers

The Google Slides version of this resource requires that you make a copy of the resource to your own Google Drive.

CLICK HERE TO MAKE A COPY OF THIS RESOURCE TO YOU GOOGLE DRIVE.

* You MUST have a Google account in order to access this resource. Click HERE if you need help setting up a Google account.

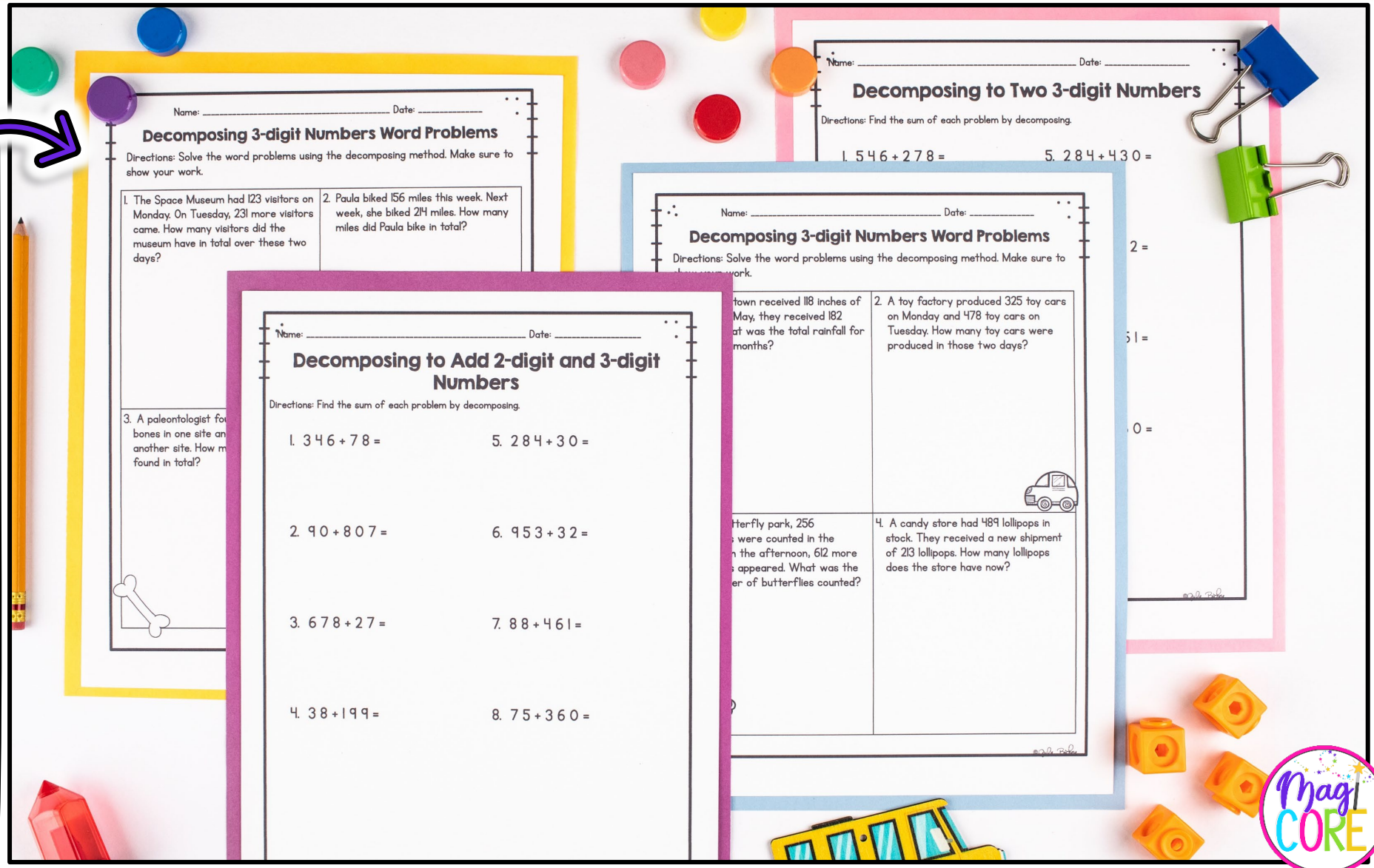
PRINTABLE PDFs and INTERACTIVE DIGITAL VERSIONS included

- Decomposing 2-digit and 3-digit numbers to add
- Engaging Center Game, Mini-Book, 2 Quizzes
- AND links to interactive digital versions

Printable & Digital Links Included

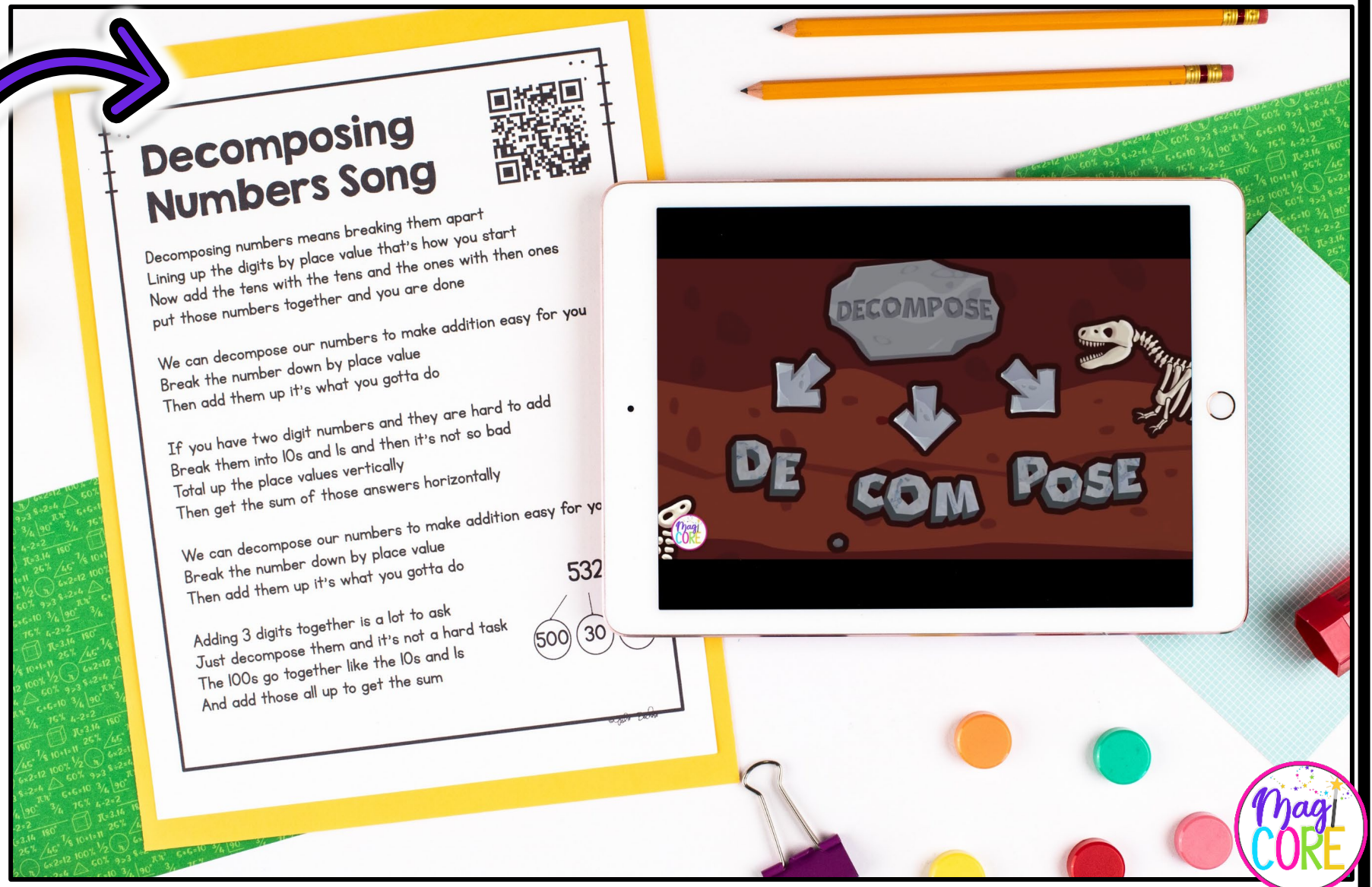
STANDARD ALIGNED ACTIVITIES

- Fun and aligned activities.
- Variety of worksheets and hands on engagement.
- Helps students decompose 2-digit and 3-digit numbers to add within 1,000.



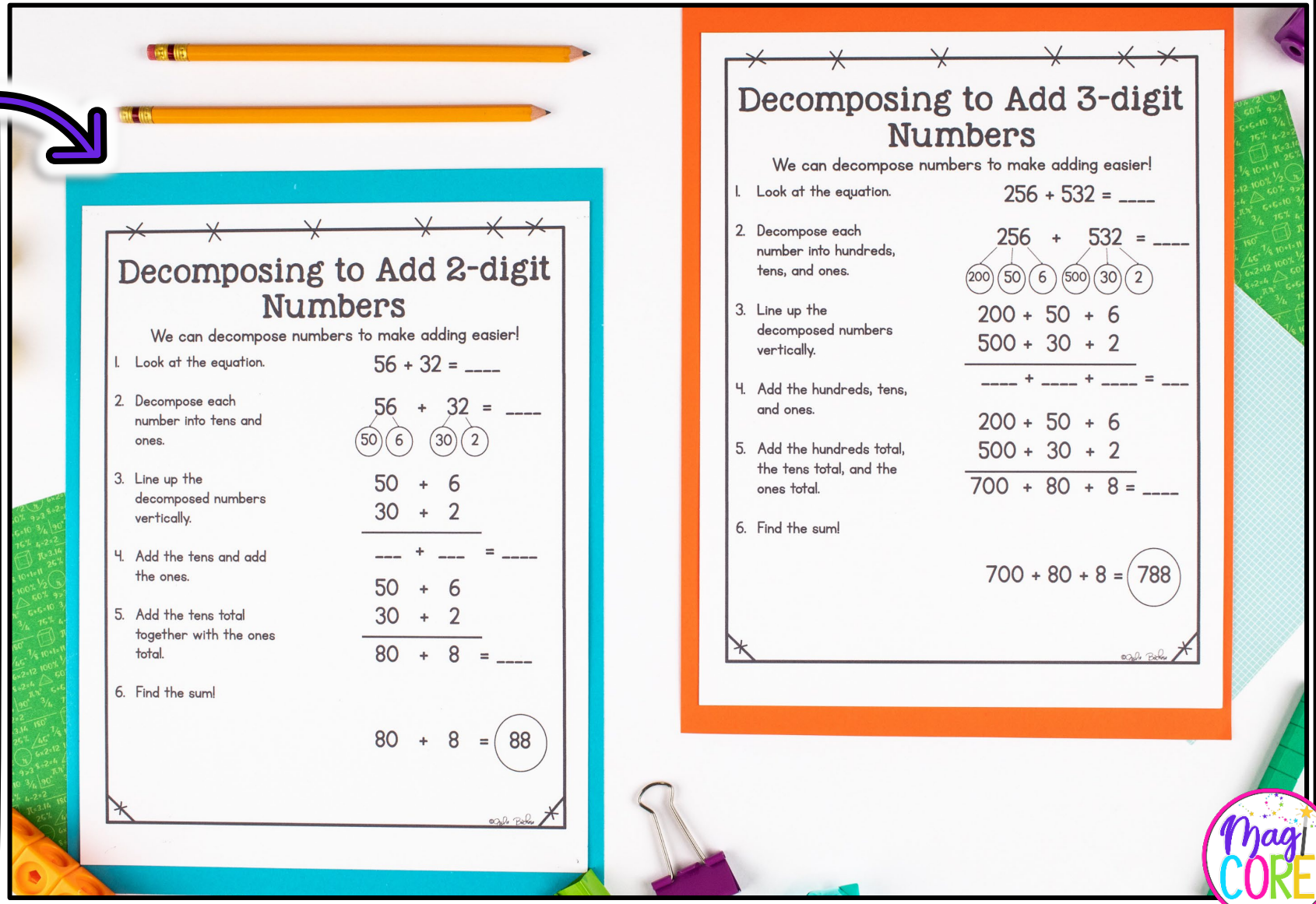
ORIGINAL SONG

- Original song and videos to keep students engaged!
- Reinforces understanding of decomposing and adding using decomposing.
- Mirrors Anchor Charts.



ANCHOR CHART

- 2 Anchor Charts to teach and break down the skill.
- Perfect to add into student folders or journals.
- Provides visual guidance on decomposing 2-digit and 3-digit numbers.
- Explanation and modeling.

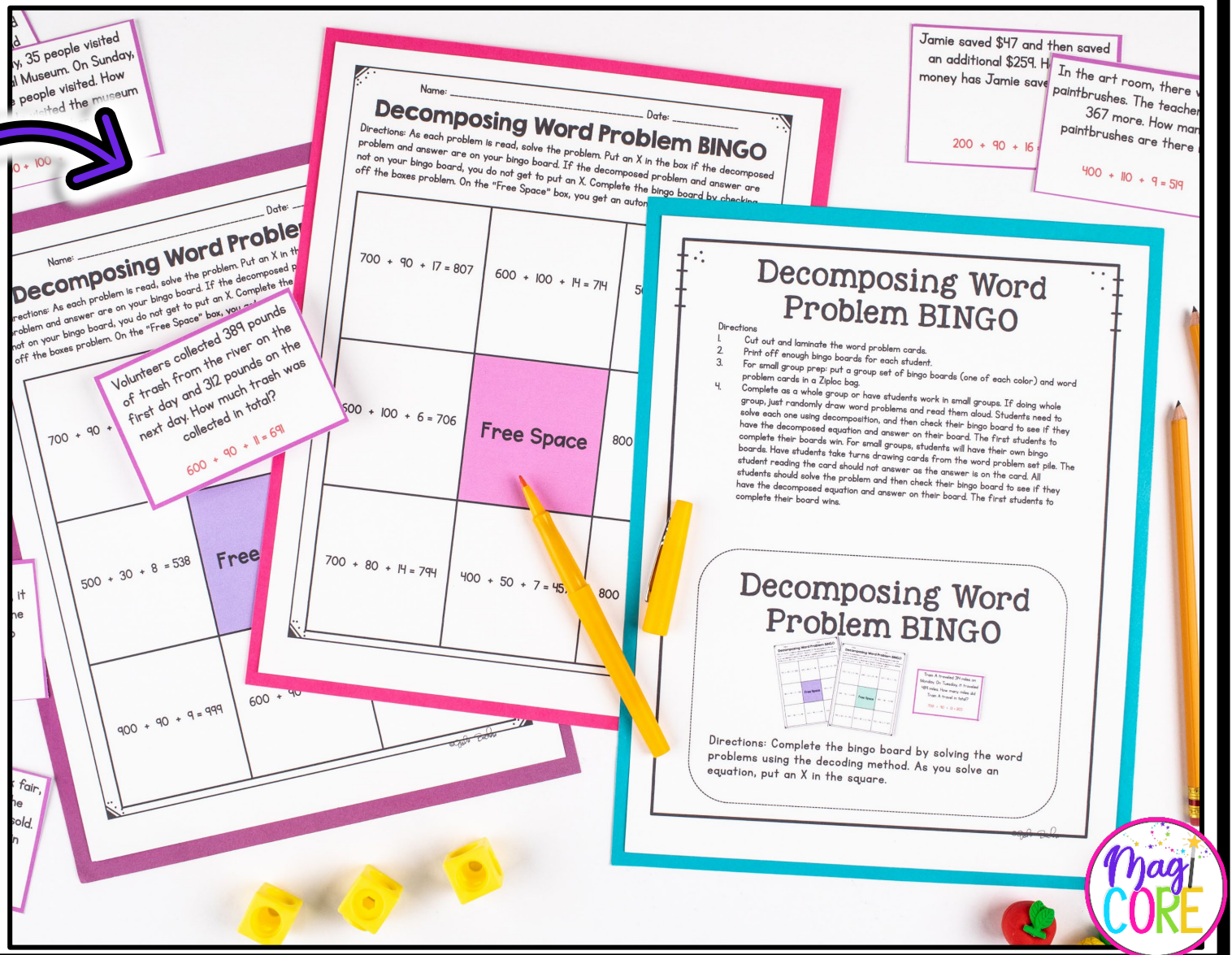


MINI-BOOK

- Mini-Book to teach and break down the skill.
- Perfect for student engagement and fluency.
- Provides visual guidance on decomposing
- A fun way to learn!

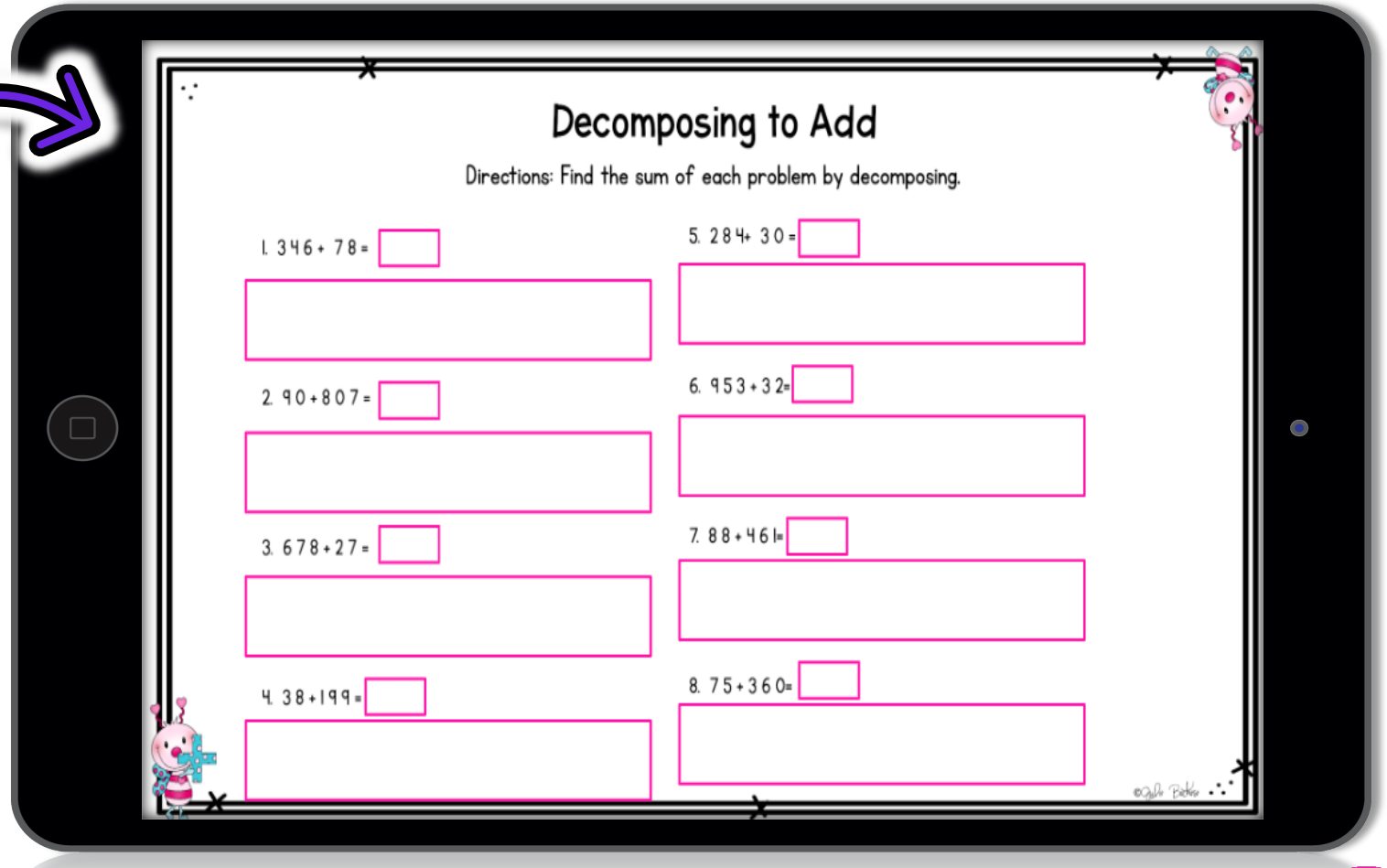
ENGAGING CENTER GAME

- Decomposing Word Problem Bingo.
- Master word problem solving skills, while also mastering decomposing from a word problem.
- All games can be utilized and played throughout the year!
- Designed to be played individually, in pairs, or groups.



DIGITAL VERSION

- Google Classroom Friendly!
- Interactive Google Slides for practicing decomposing and addition.
- Students stay engaged while demonstrating mastery online.



TAKE A PEEK

Name: _____ Date: _____

Adding 2-digit Numbers by Decomposing

Directions: Find the sums of the addends by decomposing the numbers.

1. 56 + 23 = ____

50. + 6
20 + 3
+ =

2. 48 + 44 = ____

3. 28 + 75 = ____

20 + 8
70 + 5
+ =

5. 24 + 61 = ____

20 + 4
60 + 1
+ =

Name: _____ Date: _____

Decomposing 2-digit Numbers Word Problems

Directions: Solve the word problems using the decomposing method. Make sure to show your work.

1. Sunny the squirrel found 21 red apples under the apple tree. She decided to search for more and found 51 green apples in the bushes. How many apples did Sunny find in total?

2. For Lily's birthday party, her mom bought 32 colorful balloons. Her dad also brought 32 shiny balloons. How many balloons they have for the party altogether?

3. Max went to the library and borrowed 48 adventure books. He also picked 91 science books. How many books did Max borrow from the library?

4. In the park, 64 small pupp... were playing together. Later, 19 mo... puppies joined the fun. How man... puppies were playing in the park in total?

Name: _____ Date: _____

Decomposing 2-digit Numbers Word Problems

Directions: Solve the word problems using the decomposing method. Make sure to show your work.

...erome has 93 red stickers and 36 ...een stickers. How many stickers ...es Jerome have in all?

2. My horse walked 45 miles on Saturday. He walked another 72 miles on Sunday. How many miles did my horse walk during the weekend?

...The library do... ...n May, the libr... ...ow many boo... ...onate in April...

Date: _____

Decomposing to Add

...ons: Find the sums of the addends by decomposing the numbers.

...+ 18 =

Name: _____ Date: _____

2-digit Number Decomposing

Directions: Find the sums of the addends by decomposing the numbers.

1. 23 + 72 = ____

____ + ____
____ + ____
____ + ____ = ____

2. 84 + 15 = ____

____ + ____
____ + ____
____ + ____ = ____

3. 13 + 81 = ____

____ + ____
____ + ____
____ + ____ = ____

4. 49 + 25 = ____

____ + ____
____ + ____
____ + ____ = ____

5. 62 + 17 = ____

____ + ____

6. 60 + 29 = ____

____ + ____

AND ANOTHER PEEK

Name: _____ Date: _____

Quiz: Decomposing to Add 3-digit Numbers

Directions: Find the sum of each problem by decomposing.

1. Decompose the following numbers:

938 =

467 =

2. Solve each equation by decomposing.

364 + 81 =

590 + 387 =

4. Tacara read 267 books during the first quarter and 383 books during the second quarter. How many books did Tacara read during the first two quarters?

5. Trayton has a collection of 482 seashells. Tamia gave Trayton 139 more seashells. How many seashells does Trayton have now?

©Quite Perfect

Name: _____ Date: _____

Quiz: Decomposing to Add 2 Digit Numbers

Directions: Find the sum of each problem by decomposing.

1. Decompose the following numbers:

98 =

25 =

2. Solve each equation by decomposing.

14 + 81 =

59 + 38 =

4. Jada had 19 cookie[illegible] the bake sale. Kent had 27 cookies for the bake sale. How many [illegible]kies do Jada and Kent have in all?

5. Keyana walked 23 miles in the [illegible] of June. She [illegible]29 miles in July. How many miles did Keyana [illegible] June and July[illegible]