



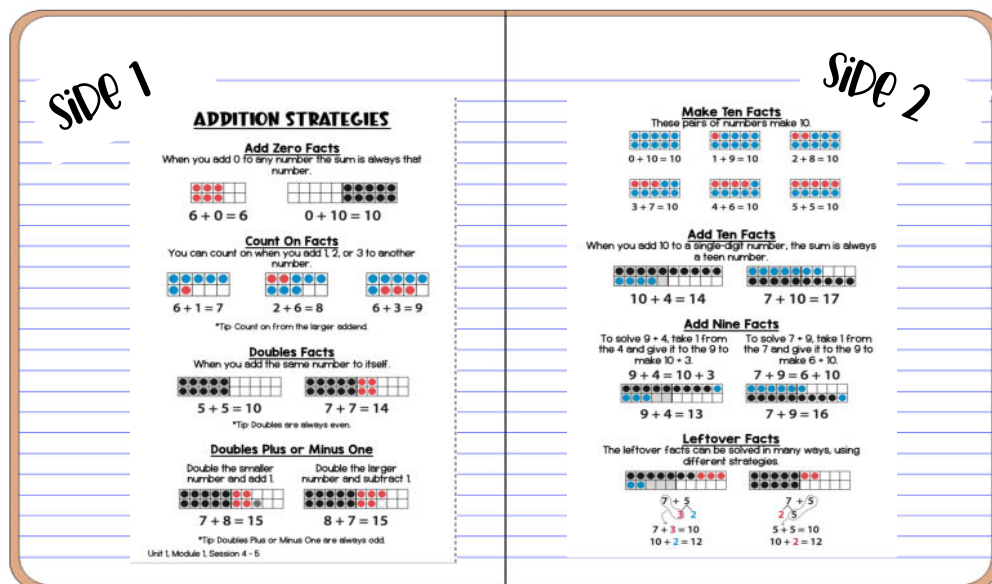
# BRIDGES 3<sup>RD</sup> GRADE

## UNIT 7

Student Notebook/Journal Pages

# TEACHER NOTES:

- This file contains student notebook pages for Bridges Grade 3 Math, Unit 7.
- These pages were designed to help differentiate based on student needs and allow students to go back and review key concepts.
- These pages are made to fit in any size notebook (composition or spiral). Simply cut on the dotted line and glue on necessary pages inside notebook.



Note: If you want to fit the whole page on a single notebook page, you will need to either print 2 copies per page OR scale the page down to 80%.

Fonts Used:

Headings: **AG ADULTISH**

Definitions: AG Lazy Level Expert Bold



# TEACHER NOTES:

For the Problem String Pages and Word Problems, there are TWO versions.

- Version 1: Problem string pictures/equations are already featured on student page.
- Version 2: Problem string pictures/equations are blank. Students would copy equations or only show work on their student page.

<b>PROBLEM STRING: GIVE &amp; TAKE PARTS 1 &amp; 2</b>	
Problems	Strategies
$36 + 99$	
$97 + 78$	
$\begin{array}{r} 299 \\ + 647 \\ \hline \end{array}$	
$\begin{array}{r} 443 \\ + 289 \\ \hline \end{array}$	
$\begin{array}{r} 354 \\ + 296 \\ \hline \end{array}$	
$\begin{array}{r} 380 \\ + 456 \\ \hline \end{array}$	

Unit 3, Module 1, Session 3

<b>PROBLEM STRING: GIVE &amp; TAKE PARTS 1 &amp; 2</b>	
Problems	Strategies

Unit 3, Module 1, Session 3

<b>THREE DIGIT ADDITION STORY PROBLEMS</b>	
1.	
2.	
3.	

Unit 3, Module 1, Session 5

# TWO-STEP STORY PROBLEMS

## Stickers & Beads

1. Jack bought a sheet of stickers with 2 rows of 4 stickers on it. The stickers cost 9 cents each. How much did Jack pay for the entire sheet of stickers?

- What is the problem asking you to figure out?
- Write an equation for the problem. Use a letter to stand for the unknown quantity.
- Solve the problem.

2. Ebony and her sister, Tonya, are making bracelets to sell at the craft fair. So far, Ebony has made 3 bracelets with 9 beads on each one. Tonya has made 4 bracelets with 7 beads on each one. How many beads have they used so far?

- What is the problem asking you to figure out?
- Write an equation for the problem. Use a letter to stand for the unknown quantity.
- Which of these three estimates for the answer makes the most sense? Why?  
 40 beads     60 beads     80 beads
- Solve the problem.

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# TWO-STEP STORY PROBLEMS

Stickers & Beads

1.

2.

# TWO-STEP STORY PROBLEMS

Stickers & Beads

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2.

**THE FOLLOWING 3 PAGES (SLIDES 7-9) ARE THE TWO-STEP WARM UP STORY PROBLEMS FOR MODULE 1, SESSIONS 3-5.**

I put several copies of the same question on each page. This makes it easier to copy. Cut apart and have students glue the question for that day in their notebook.

Maria Jose has a sticker book with 8 pages. Each page holds 12 stickers. Right now, there are 54 stickers in her book. How many more stickers will the book still hold?

$$(8 \times 12) - 54 = s$$

$$54 + s = (8 \times 12)$$

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Micah collects baseball cards and puts them in a binder filled with pages that hold 9 cards each. His goal is to collect 270 cards by the end of the year. Right now, Micah has filled 11 pages in his book. How many more cards does he need to collect to meet his goal?

$$270 - (9 \times 11) = c$$

$$(9 \times 11) + c = 270$$

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Elisa collects seashells. She keeps them in a special box with 9 compartments. Each compartment holds 7 shells. She already filled 6 compartments. How many shells will the box still hold?

$$(9 + 7) \times 6 = s$$

$$(9 \times 7) - (6 \times 7) = s$$

$$(6 \times 7) + s = (9 \times 7)$$

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## PROBLEM STRING: PARTIAL PRODUCTS

Problems	Strategies
$5 \times 3$	
$5 \times 10$	
$5 \times 13$	
$5 \times 20$	
$5 \times 23$	

## PROBLEM STRING: PARTIAL PRODUCTS

Problems	Strategies
$5 \times 3$	
$5 \times 10$	
$5 \times 13$	
$5 \times 20$	
$5 \times 23$	

## PROBLEM STRING: PARTIAL PRODUCTS

Problems	Strategies

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Problems	Strategies

## **STORY PROBLEMS FOR ONE-BY-TWO** **MULTIPLICATION**

1. Maggie had 6 chickens. If each chicken laid a dozen eggs, how many eggs did they lay in all?

2. There are 8 members in Jamal's band. Each band member needs to sell 23 raffle tickets to raise money for the band to play in a contest. If each member sells 23 tickets, how many tickets will the band have sold in all?

3. Four classes of third grade students went to the museum for a field trip. Each class had 27 students. How many third graders went to the museum in all.?

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3. Four classes of third grade students went to the museum for a field trip. Each class had 27 students. How many third graders went to the museum in all.?

**THE FOLLOWING PAGE (SLIDE 14) IS ONE COMPLETE PAGE.**

**THE WHOLE SHEET WOULD BE FOR ONE STUDENT SINCE ALL THE PROBLEMS ARE DIFFERENT.**

**PROBLEM STRING: MORE PARTIAL PRODUCTS**

Problems	Strategies
$6 \times 10$	
$6 \times 4$	
$6 \times 14$	
$6 \times 20$	
$6 \times 30$	

**PROBLEM STRING: MORE PARTIAL PRODUCTS**

Problems	Strategies
$6 \times 34$	
$6 \times 54$	
$16 \times 10$	
$16 \times 4$	
$16 \times 14$	

**PROBLEM STRING: MORE PARTIAL PRODUCTS**

Problems	Strategies

**PROBLEM STRING: MORE PARTIAL PRODUCTS**

Problems	Strategies

## ASSOCIATIVE PROPERTY OF MULTIPLICATION

### Problems

$$(3 \times 5) \times 4 \quad 3 \times (5 \times 4)$$

$$4 \times 30 = 4 \times 3 \times 10$$

$$(4 \times 3) \times 10, 4 \times (3 \times 10), 3 \times (4 \times 10)$$

## ASSOCIATIVE PROPERTY OF MULTIPLICATION

### Problems

$$(3 \times 5) \times 4 \quad 3 \times (5 \times 4)$$

$$4 \times 30 = 4 \times 3 \times 10$$

$$(4 \times 3) \times 10, 4 \times (3 \times 10), 3 \times (4 \times 10)$$



**ASSOCIATIVE PROPERTY OF MULTIPLICATION**

**Problems**


**ASSOCIATIVE PROPERTY OF MULTIPLICATION**

**Problems**


**PROBLEM STRING: THE ASSOCIATIVE PROPERTY, PART 1**

Problems	Strategies
$4 \times 10$	
$4 \times 8$	
$4 \times 18$	
$4 \times 80$	
$4 \times 800$	

**PROBLEM STRING: THE ASSOCIATIVE PROPERTY, PART 1**

Problems	Strategies
$4 \times 10$	
$4 \times 8$	
$4 \times 18$	
$4 \times 80$	
$4 \times 800$	

**PROBLEM STRING: THE ASSOCIATIVE PROPERTY, PART 1**

Problems	Strategies

**PROBLEM STRING: THE ASSOCIATIVE PROPERTY, PART 1**

Problems	Strategies

**PROBLEM STRING: THE ASSOCIATIVE PROPERTY, PART 2**

Problems	Strategies
$6 \times 9$	
$6 \times 10$	
$6 \times 19$	
$6 \times 90$	
$6 \times 900$	

**PROBLEM STRING: THE ASSOCIATIVE PROPERTY, PART 2**

Problems	Strategies
$6 \times 9$	
$6 \times 10$	
$6 \times 19$	
$6 \times 90$	
$6 \times 900$	

**PROBLEM STRING: THE ASSOCIATIVE PROPERTY, PART 2**

Problems	Strategies

**PROBLEM STRING: THE ASSOCIATIVE PROPERTY, PART 2**

Problems	Strategies