BRIDGES 3RD GRADE UNIT 3

ONG MAN

Student Notebook/Journal Pages

10 + non

TEACHER NOTES:

- This file contains student notebook pages for Bridges Grade 3 Math, Unit 3.
- 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.

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SDC 1 ADDITION STRATEGIES	Make Ten Facts
ADDITION STRATEGIES	Make Ten Facts These peirs of numbers make 10.
Add Zero Facts	
When you add 0 fo any number the sum is always that number.	0+10=10 1+9=10 2+8=10
6+0=6 0+10=10	3+7=10 4+6=10 5+5=10
Count On Facts	Add Ten Facts
You can count on when you add 1,2, or 3 to another number	When you add 10 to a single-digit number, the sum is always a teen number.
6+1=7 2+6=8 6+3=9	10 + 4 = 14 7 + 10 = 17
*Tp: Count on from the larger addend	Add Nine Facts
Doubles Facts	To solve 9 + 4, take 1 from. To solve 7 + 9, take 1 from. the 4 and give it to the 9 to the 7 and give it to the 9 to make 10 + 3. make 6 + 10.
When you add the same number to itself.	9+4=10+3 7+9=6+10
5 + 5 = 10 7 + 7 = 14	9+4=13 7+9=16
Doubles Plus or Minus One	Leftover Facts The leftover facts can be solved in many ways, using offerent strategies.
Double the smaller Double the larger number and add 1. number and subtract 1.	
	₹)+5, <u>7</u> +/9
7 + 8 = 15 8 + 7 = 15	7+3=10 5+5=10
*Tip Doubles Plus or Minus One are always odd. Unit 1. Module 1. Sersion 4 - 5	10 + 2 = 12 10 + 2 = 12

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

<u>Fonts Used:</u> Headings: **AG ADULTISH** Definitions: AG Lazy Level Expert Bold



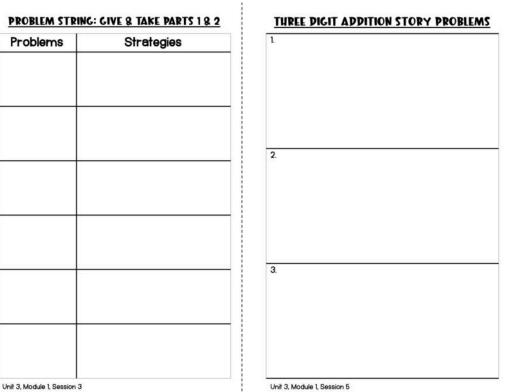
TEACHER NOTES:

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

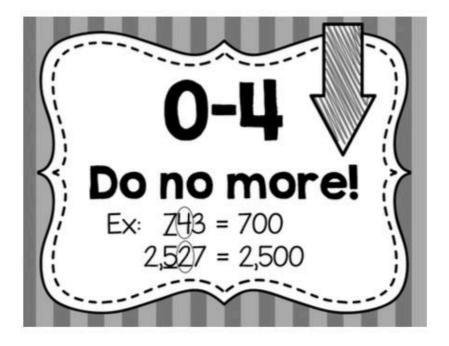
 <u>Version 1</u>: Problem string pictures/equations are already featured on student page.

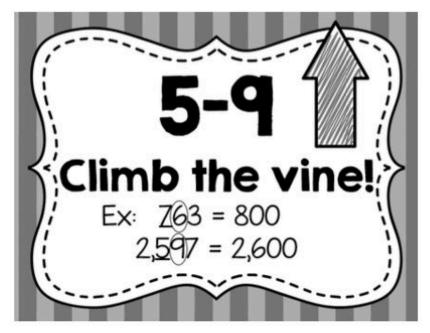
Problems	Strategies
36 + 99	
97 + 78	
299 <u>+ 647</u>	
443 <u>+ 289</u>	
354 <u>+ 296</u>	
380 <u>+ 456</u>	

 <u>Version 2</u>: Problem string pictures/equations are blank. Students would copy equations or only show work on their student page.



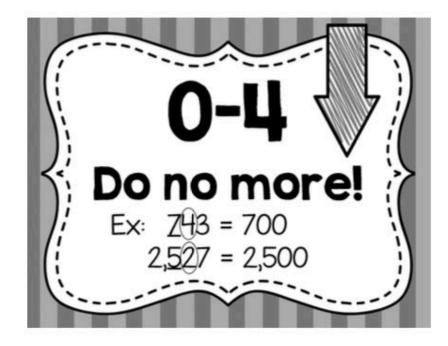
ROUNDING RULES

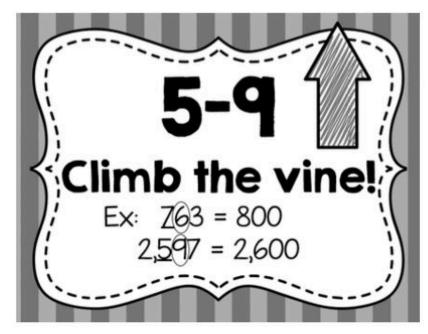




Original Source: Kathleen and Mande

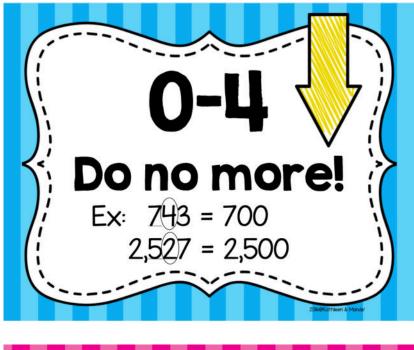
ROUNDING RULES

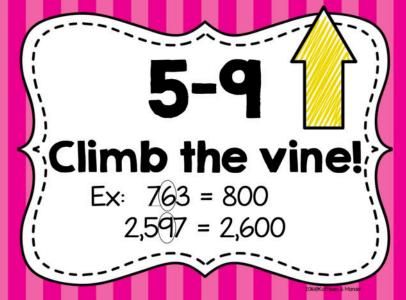




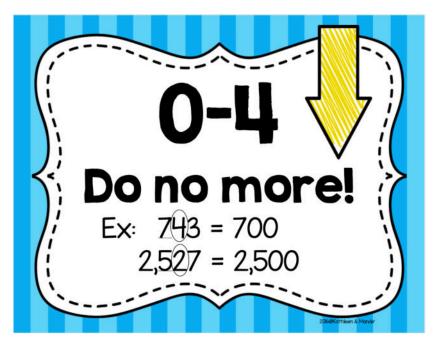
Original Source: Kathleen and Mande

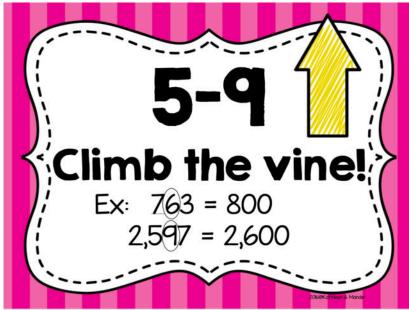
ROUNDING RULES





ROUNDING RULES





Original Source: Kathleen and Mande

PROBLEM STRING: GIVE & TAKE PARTS 1 & 2

Problems	Strategies	Problems	Strategies
36 + 99		36 + 99	
97 + 78		97 + 78	
299 <u>+ 647</u>		299 <u>+ 647</u>	
443 <u>+ 289</u>		443 <u>+ 289</u>	
354 <u>+ 296</u>		354 <u>+ 296</u>	
380 <u>+ 456</u>		380 <u>+ 456</u>	
Unit 3, Module 1, Session	3	Unit 3, Module 1, Session 3	

PROBLEM STRING: GIVE & TAKE PARTS 1 & 2

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Problems	Strategies		Problems	Strategies
Unit 3, Module 1, Session	3	- I I I	Unit 3, Module 1, Session	3

THREE DIGIT ADDITION STORY PROBLEMS

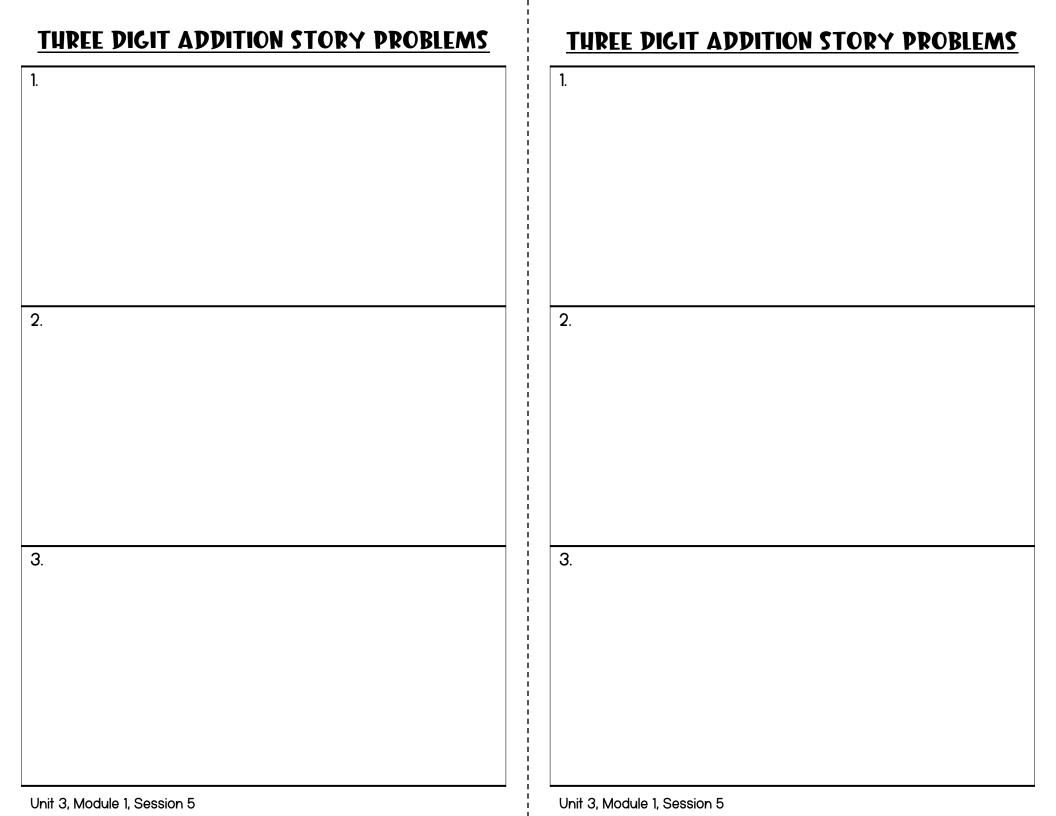
1. Ashley and Alex collected soda cans to recycle. Ashley had 275 cans and Alex had 168 cans. How many cans did they have in all?

2. Dakota and Marcus are raising money to donate to their local animal shelter. Dakota raised \$297 and Marcus raised \$325. How much money did they raise in all?

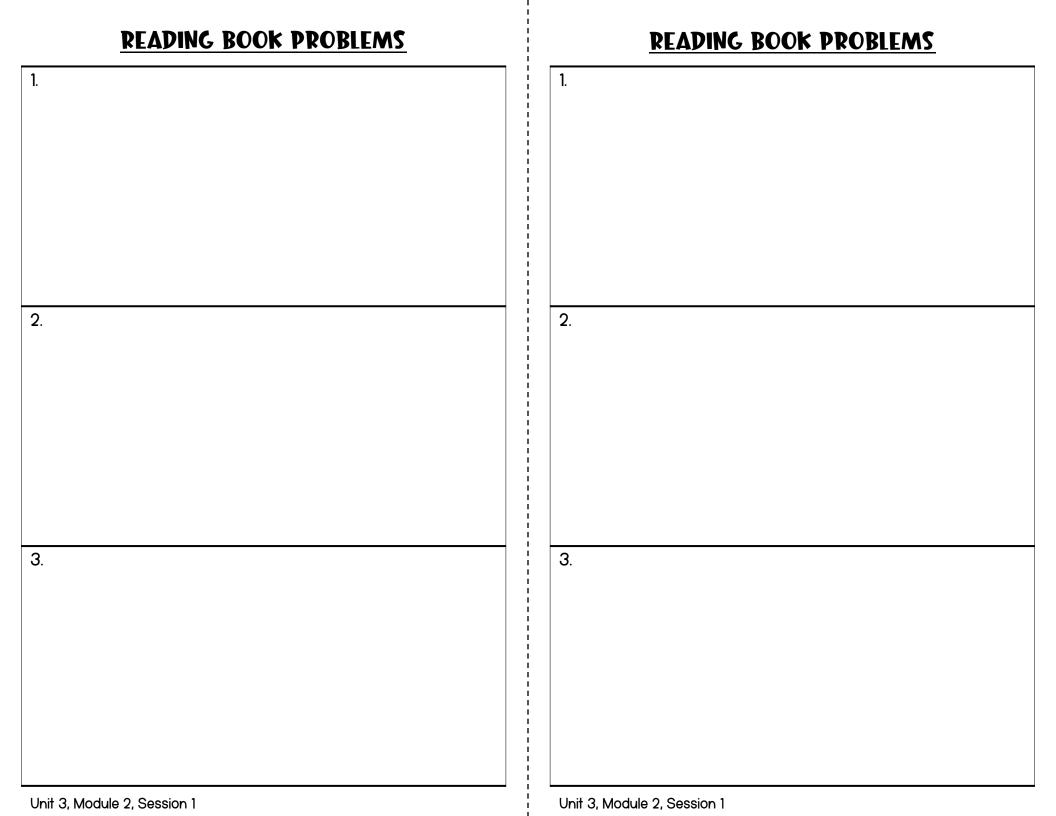
3. Miranda loves to collect pennies in her special penny jar. She had 712 pennies in the jar, and her grandma just gave her 189 more. How many pennies does she have in all?

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READING BOOK PROBLEMS	READING BOOK PROBLEMS
1. I am on page 26 of a biography. How many more pages	1. I am on page 26 of a biography. How many more pages
do I have left to read if there are 292 pages in the book?	do I have left to read if there are 292 pages in the book?
2. The other book I am reading has 183 pages. I am on page	2. The other book I am reading has 183 pages. I am on page
157. How many more pages do I have to read?	157. How many more pages do I have to read?
3. Sam is reading a novel. He is on page 347. There are 381 pages in the book. How many more pages does Sam have left to read?	3. Sam is reading a novel. He is on page 347. There are 381 pages in the book. How many more pages does Sam have left to read?





CONSTATNT DIFFERENCE

Right now I am reading a book and I am almost done. The	Right now I am reading a book and I am almost done. The
book has 384 pages. I am on page 350. How many more	book has 384 pages. I am on page 350. How many more
pages do I have left to read?	pages do I have left to read?
63 – 39 = n	63 – 39 = n
149 – 132 =	149 – 132 =
Unit 3, Module 2, Session 2	Unit 3, Module 2, Session 2

CONSTANT DIFFERENCE

CONSTATNT DIFFERENCE

Unit 3	3, Modu	le 2, S	Session	2
Unit J	3, MOQU	lie 2, 3	Session	2

SAME DIFFERENCE PROBLEMS

1. The Jaguars scored 343 points in the basketball tournament. My team has only scored 198 points so far. How many more points does my team have to score to tie the Jaguars?

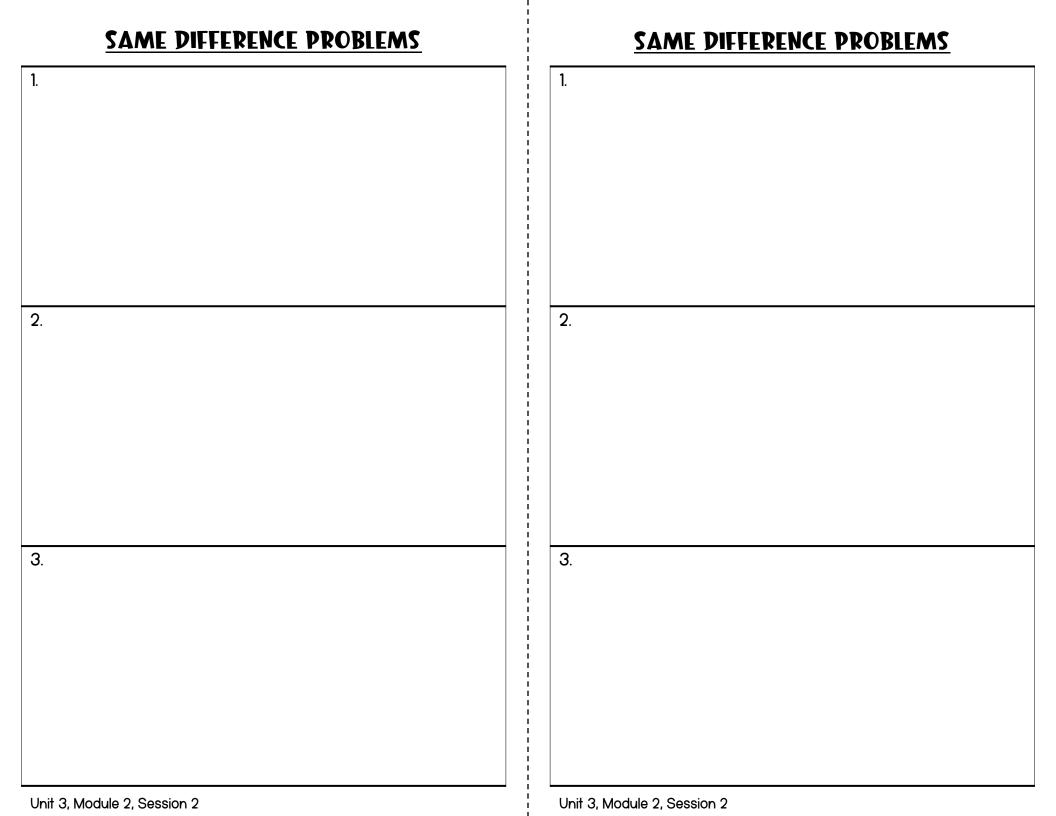
2. Martha has saved \$304. She wants to buy a bike for \$423. How much more money does she need to save to buy the bike?

3. Jin is traveling to Denver with his family. It is 582 miles from his family's house to Denver. They have driven 218 miles so far. Jin asked his mom, "How much farther?" How many more miles do they need to drive to get to Denver?

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PROBLEM STRING: CONSTANT DIFFERENCE

Problems	Strategies
75 - 40	
74 - 39	
76 - 41	
77 -42	
79 - 44	
80 - 45	
99 - 64	
Unit 3, Module 2, Sessior	n 3

PROBLEM STRING: CONSTANT DIFFERENCE

Problems	Strategies
75-40	
74 - 39	
76 - 41	
77 -42	
79 - 44	
80 - 45	
99 - 64	

PROBLEM STRING: CONSTANT DIFFERENCE

Problems	Strategies

PROBLEM STRING: CONSTANT DIFFERENCE

Problems	Strategies

Unit 3, Module 2, Session 3

SUBTRACTION ON A NUMBER LINE

I. The third graders are selling raffles tickets for the school carnival. Matt has sold 52 tickets. Briana has sold 87 tickets. How many more raffle tickets has Briana sold than Matt?

- a. Equations:
- b. Estimate your answer mentally.

c. Think about the number line subtraction strategy that might be best to solve this problem.

2. Carter wanted to weigh his puppy, but the pully wouldn't stand still on the scale. So Carter weighed himself. He weighed 59 pounds. Then he picked up the puppy and stood on the scale. Together they weigh 85 pounds. How much did the puppy weigh?

3. Jasmine read three chapters of her adventure book in one night, and now she is on page 204. The adventure book has 590 pages. How many more pages does Jasmine need to read to finish the book?

4. Cedric and Willie are collecting game store tokens. Cedric has 295 tokens, and Willie has 523 tokens. Who has more tokens? How many more does he have?

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Unit 3, Module 2, Session 4

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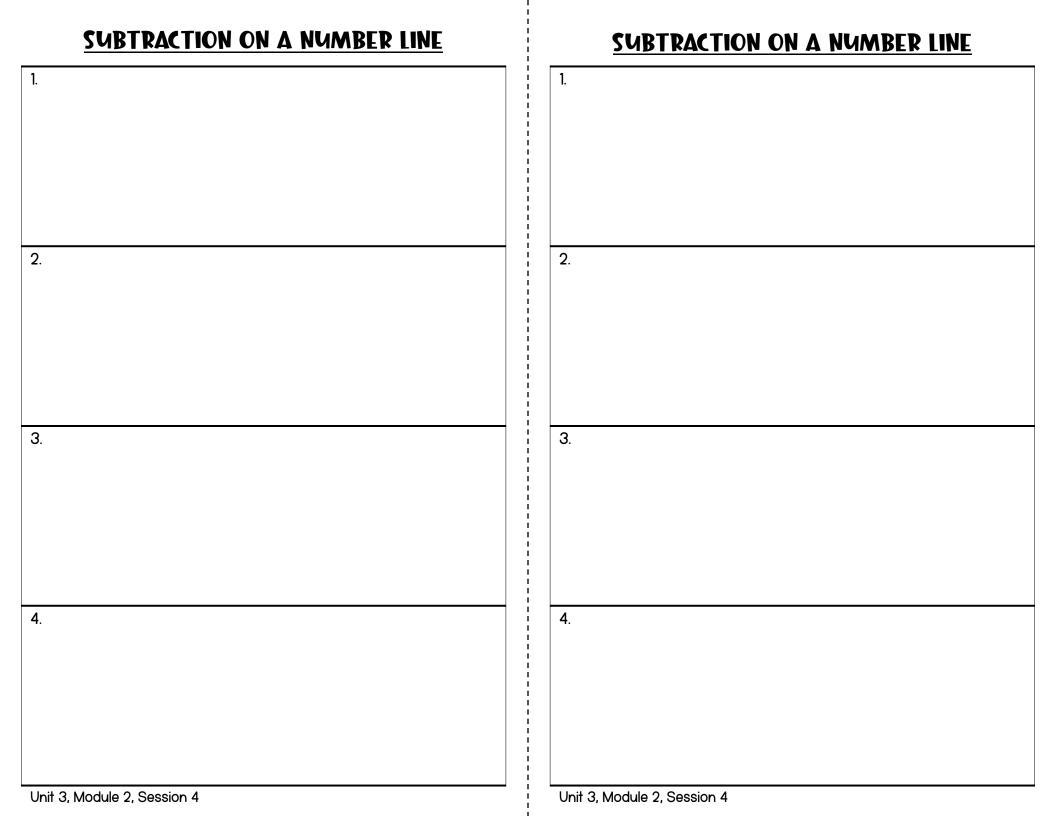
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EXPANDED FORM

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Problems	Strategies
43	
106	
316	
150	
309	
2,006	
Unit 3, Module 3, Sessior	ייים 2 מ

Problems	Strategies
43	
106	
316	
150	
309	
2,006	

EXPANDED FORM

EXPANDED FORM

Problems	Strategies	Problems	Strategies
Unit 3, Module 3, Sessior	 ח 2	Unit 3, Module 3, Session	n 2

EXPANDED FORM CONTINUED

Problems	Strategies	Problems	Strategies
2,034		2,034	
Compare the followi	ng using >, <, =	Compare the follow	ing using >, <, =
	3,407 2,043		3,407 2,043
	4,307 3,407		I,307 3,407
	3,407 3,470	3	3,407 3,470
Unit 3, Module 3, Session	n 2	Unit 3, Module 3, Sessior	2

EXPANDED FORM CONTINUED

EXPANDED FORM CONTINUED

Problems	Strategies	Problems	Strategies
Compare the following	using >, <, =	Compare the following) using >, <, =
Unit 3, Module 3, Session 2		Unit 3, Module 3, Session 2	

EXPANDED FORM CONTINUED

THREE- DIGIT PROBLEMS

1. The Scouts are collecting canned food to donate to the Food Bank in their town. Last Saturday, they collected 175 cans. This Saturday, they collected 168 cans. How many cans have they collected in all?

Choose and solve one or more of the problems below.

2. The third graders did a play last week. They did one show for the other kids in the school, and one show for their families. 238 people came to the first show. 154 people came to the second show. How many people in all watched the show.

3. There are 137 kindergartners, 139 first graders, and 153 second graders at Wood Primary School. How many students are there in all?

4. Add.				
329	258	105	243	187
+ 217	+ 171	+ 165	+ 158	+ 211

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220	250	105	2.12	107
329	258	105	243	187
+ 217	+ 171	+ 165	+ 158	+ 211
Unit 3 Modu	le 4. Session 1			

THREE- DIGIT PROBLEMS **THREE-DIGIT PROBLEMS**

Unit 3, Module 4, Session 1

WHICH ADDITION STRATEGIES WORK BEST?

- You don't have to use the same strategy all the time
- Look at the numbers first to see which strategy might work best
- Look for times when you can take some from one of the numbers and give it to the other number to make the problem easier
- If you don't have to regroup, the traditional algorithm is fast and easy -just line the numbers up and add
- The standard algorithm always works, so it's good if you don't think of an easier strategy

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MORE THREE- DIGIT PROBLEMS

1. Lexi's book has 327 pages. She has read 118 pages so far. How	۷
many pages does she have left to read?	

Choose and solve one or more of the problems below.

their goal. How many books have they read do far?

2. King School is having a Read-a-Thon. The kids in Mr. Bell's class set a goal of 350 books. They still have to read 184 books to reach

3. There are 123 books on the shelf. Some kids got books off the shelf to read. Now there are 778 books on the shelf. How many

304

- 165

400

- 278

422

- 273

MORE THREE-DIGIT PROBLEMS

	ook has 327 pag ges does she ha		ad 118 pages so	far. How
Choose a	nd solve one or	more of the pi	oblems below.	
set a goa	hool is having a l of 350 books. . How many boo	They still have t	o read 184 book	
shelf to r	are 123 books of ead. Now there I the kids take?			
shelf to r	ead. Now there			
shelf to r	ead. Now there I the kids take?			
shelf to re books did	ead. Now there I the kids take?			

239

- 171

books did the kids take?

4. Subtract.

333

- 218

MORE THREE- DIGIT PROBLEMS	MORE THREE-DIGIT PROBLEMS

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Unit 3, Module 4, Session 3

WHICH SUBTRACTION STRATEGIES WORK BEST?

- You don't have to use the same strategy all the time
- Look at the numbers first to see which strategy might work best
- Look for ways to use constant difference to make the problems easier
- If you don't have to regroup, the traditional algorithm is fast and easy - just line the numbers up and subtract
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