Answer Key • Lesson 4: Paper-and-Pencil Subtraction

Student Guide

Paper-and-Pencil Subtraction (SG pp. 161–163) Questions 1–4

- **I. A.** Possible response: She changed 7 skinnies to 6 and 3 bits to 13.
 - **B.** Possible response: After trading one of the 7 skinnies for 10 bits, there were 6 skinnies. Then she added 10 skinnies to the 6 to make 16 skinnies so she could subtract 8 skinnies.
- 2. A. Answers will vary. Possible response: Sara had to regroup in order to subtract 7 ones from 6 ones. When she regrouped, the 5 tens, or 50, became 4 tens, or 40. Sara used the ten ones to add to the 6 ones to make 16.
 - **B.** Sara cannot subtract 6 tens from 4 tens, so she regrouped 1 hundred to make 10 tens. The 7 hundred in her problem became 6 hundred, and the 4 tens (40) became 14 tens. Now Sara can subtract 6 tens from 14 tens.

3.	A. 39	В.	42	C.	233
	D. 117	E.	219	F.	2188







Student Guide - Page 162



4. A and C are correct. Explanation will vary. Students should recognize the addition check should be the same as the minuend (top number) of their subtraction problem. If the total is not the same, then they subtracted incorrectly.

Student Guide - Page 163



Student Activity Book - Page 224

Student Activity Book

Subtraction on Recording Sheets (SAB p. 224) Questions 1–6

١.	44	2.	37
3.	118	4.	198
5.	187	6.	1509

Answer Key • Lesson 4: Paper-and-Pencil Subtraction

Student Activity Book

Recording Your Subtraction (SAB pp. 225–226) Questions 1–7

1. Nisha took 1 skinny, or ten, away from the 2 tens to make 1 ten and traded it with 10 bits, which added to the 3 ones to make 13 bits.

7. 1538

- **2.** 15 **3.** 28
- **4.** 223 **5.** 486
- **6.** 458

Name Date _ **Recording Your Subtraction** (Momework) Nisha wanted to solve 423 - 319. She put out 4 flats, 2 skinnies, and 3 bits. 105 ... 11 0000 4 2 3 She realized she could not take 3 9 9 bits from 3 bits. So she traded 1 skinny for 10 bits. Then she had 1 skinny and 13 bits. 100s 10s 18 k 4 X X^1 →..... 3 9 After the trade, she took away 9 bits. She also took away 1 skinny and 3 flats. Q ×¹³ ::::: 4 X 3 1 9 1 0 4 1. How did Nisha show that she traded one skinny for ten bits? Paper-and-Pencil Subtraction SAB · Grade 3 · Unit 7 · Lesson 4 225





Student Activity Book - Page 226



Student Activity Book - Page 227



Student Activity Book - Page 228

Student Activity Book

Johnny's Paper and Pencil Subtraction (SAB pp. 227–228) Questions 1–10

- 1. Answers will vary. Possible response: The two above the three is 2 tens. Johnny subtracted 1 ten to add to the 5 ones so that he could subtract 8. The 15 above the five shows the ten he added to 5 ones.
- **2.** Answers will vary. Possible response: Johnny could not subtract 70 from the remaining 20, so he traded one hundred from 7 hundreds for tens, which left 6 hundreds.
- **3.** 638 **4.** 4064
- **5.** 1589 **6.** 367
- **7.** 4 **8.** 188
- **9.** Answers will vary. Possible strategy: Count up 4 from 999 to 1003; 1003 999 = 4
- 10. Answers will vary. Possible strategy: Instead of 489 301, think of 489 300 = 189 and take 1 away, 188.

Answer Key • Lesson 4: Paper-and-Pencil Subtraction

Student Activity Book

Checking with Addition (SAB p. 229) Questions 1–2

- **I. A.** Correct. 205 + 268 = 473
 - **B.** Incorrect. 1489 597 = 892; 892 + 597 = 1489
 - **C.** Incorrect. 3232 1581 = 1651; 1651 + 1581 = 3232
 - **D.** Correct. 3222 + 2783 = 6005

2. A. 139;	139	В.	782;	782
	+204			+ 597
	300			1200
	30			170
	13			9
	343			1379

C. 1451;	2690	D.	134;	11
	+1451			38/3
	3000			+ 134
	1000			4007
	140			
	1			
	4141			



Student Activity Book - Page 229

Name	9	Date
	Subtraction C	heckup
1.	Johnny solved a subtraction problem. T the number he subtracted. He knew he	hen he added his answer and made a mistake.
	673 - 482 211 An 693 Ch	swer eck
	How did he know that?	
2.	Yolanda used base-ten pieces to solve	this problem.
ynny	A. Which base-ten pieces did she trade?	885 <u>- 170</u> 465
Copyright ® Kendall Hurt Publishing Com	B. Why did she write a 13 above the 3?	
Asses	sment Master	TG • Grade 3 • Unit 7 • Lesson 4

Teacher Guide - Page 1

3.	Johnny solved some with addition. If an ar correct answer. Chec	more sub nswer is v ck with ad	otractio vrong, r Idition.	n proble ewrite	ems. Ch the probl	eck his an em and fir	swers nd the	
	Α.	в.			C.			
	84		30)2		820	4	
	$\frac{-47}{47}$		- 15	53		<u>- 154</u> 665	5	
4.	Solve the following p	oroblems.	Use ad	dition t	o check	your work		
	Α.	в.			c.			
	857		20)1		230) 4	
	- 432		- 14	18		- 154	8	
5.	Explain a way to solv	ve Questic	on 4B ir	n your h	ead.			ç
5.	Explain a way to solv	ve Questic	on 4B ir	ı your h	lead.			Copyright @ Kendall
5.	Explain a way to solv Subtraction Checka Feedback Box	re Questic	Expec- tation	Check	lead.	Comments	•	Copyright@ Kendall Hunt Publish
5. App com num	Explain a way to solv Subtraction Checkt Feedback Box oby place value concepts to n nections among representati nbers. [Q#1–4]	re Questic IP nake ons of	Expec- tation E1	Check In	nead.	Comments		Copyright@ Kendall Hunt Publishing Compan
5. App con num Sub mat	Explain a way to solv Subtraction Checkt Feedback Box by place value concepts to a nections among representati nbers. [Q# 1-4] truct multidigit numbers usi th strategies. [Q# 5]	up Pake ng mental	Expec- tation E1 E3	Check In	lead.	Comments	4	Copyright © Kendail Hunt Publishing Company

Teacher Guide - Page 2

Teacher Guide

Subtraction Checkup (TG pp. 1–2) Questions 1–5

- 1. Answers will vary. Possible response: Johnny knew he made a mistake because the answer to his addition problem did not match the number he started with.
- **2. A.** Yolanda had to trade 1 flat for 10 skinnies.
 - **B.** She wrote a 13 above the 3 to show that after she traded 1 flat for 10 skinnies she had 13 tens in the tens column instead of 3.
- **3. A.** Incorrect. 84 47 = 3747 + 37 = 84
 - **B.** Incorrect. 302 159 = 143143 + 159 = 302
 - **C.** Correct. 6655 + 1549 = 8204
- **4. A.** 857 432 = 425425 + 432 = 857
 - **B.** 201 148 = 53148 + 53 = 201
 - **C.** 2304 1548 = 756756 + 1548 = 2304
- **5.** Answers will vary. Possible strategy: Count up 2 from 148 to 150, add 50 to get to 200 and then add 1 more to get to 201.
 - 2 + 50 + 1 = 53, so 201 148 = 53.