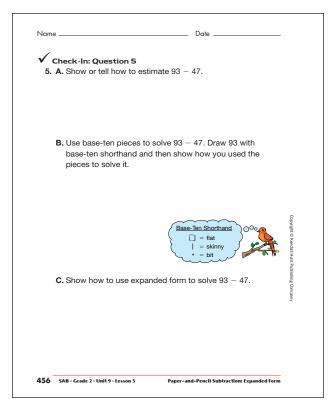


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Use Expanded Form to Subtract (SAB pp. 455–456)
Questions 1–5

I. A. 21

B.
$$57 = 50 + 7$$

 $36 = 30 + 6$
 $20 + 1 = 21$

2. A. 25

B.
$$94 = 90 + 4 = 80 + 14$$

 $69 = 60 + 9 = 60 + 9$
 $20 + 5 = 25$

3. A. 81

B.
$$167 = 100 + 60 + 7 = 160 + 7$$

 $86 = 80 + 6 = 80 + 6$
 $80 + 1 = 81$

4.
$$273 = 200 + 70 + 3 = 200 + 60 + 13$$

 $154 = 100 + 50 + 4 = 100 + 50 + 4$
 $100 + 10 + 9 = 119$

5. A. Estimates will vary. Possible response: I think about friendly numbers. 93 - 47 is about $50.\ 100 - 50 = 50$.

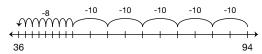


C.
$$93 = 90 + 3 = 80 + 13$$

 $47 = 40 + 7 = 40 + 7$
 $40 + 6 = 46$

Check Subtraction with Addition (SAB pp. 457–458) Questions 1–3

I. Yes, Elizabeth's answer is correct. Responses will vary. Possible response: When she added her answer to the number she took away, she got the number she started with. I solved it another way to check: 94 – 58



2. A. Mark's answer is not correct. Responses will vary. Possible response: Mark is not correct because he subtracted wrong. I can tell because when he checked his subtraction with addition, he should have gotten 93.

$$93 = 90 + 3 = 80 + 13$$

$$\underline{56 = 50 + 6 = 50 + 6}$$

$$30 + 7 = 37$$

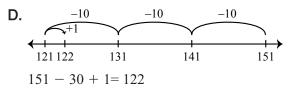
B.
$$37 + 56 = 93$$

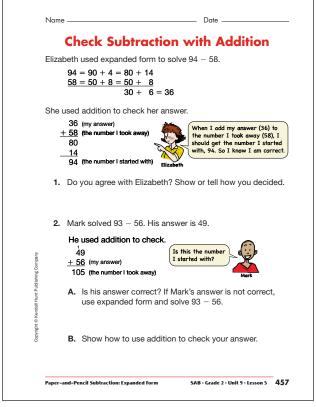
3. A. Estimates will vary. Possible strategy: 120; Think about friendly numbers on the 200 Chart and count back three rows. 150, 140, 130, 120.

B.
$$151 = 100 + 50 + 1 = 100 + 40 + 11$$

 $29 = 20 + 9 = 20 + 9$
 $100 + 20 + 2 = 122$

C.
$$122 + 29 = 151$$





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Name _	Date	
3. A.	Estimate 151 – 29	
В.	Use expanded form to solve 151 - 29.	
c.	Show how to use addition to check your answer.	
D.	Solve 151 – 29 another way.	
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5. Do you think your answer to Question 4 is correct? How can your answers in Questions 1 and 3 help you check your calculations in Question 4? 6. Show how to use addition to check your answer in Question 4. **Expanded Form Subtraction** Comments Feedback Box tation Use and apply place value concepts. [Q# 1-4] Represent subtraction problems using base-ten E2 pieces. [Q# 2] Subtract multidigit numbers using base-ten pieces. [Q# 3] Subtract multidigit numbers using the expanded-form method. [Q# 3-4] E3 Estimate differences using mental math E5 strategies. [Q# 1] Yes, but . . No, but . . . Yes . . . No. . . MPE3. Check for reasonableness. I look back at my solution to see if my answer makes sense. If it does not, I try again. [Q# 5] MPE4. Check my calculations. If I make mistakes, I correct them. [Q# 5–6] TG · Grade 2 · Unit 9 · Lesson 5 2 Assessment Master

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Expanded Form Subtraction (TG pp. 1–2) Questions 1–6

- 1. Yes, 95 is close to 100 cents and 49 is close to 50 cents. 100 50 is 50.
- **2.** Richard traded one skinny for 10 bits and added these 10 bits to the 5 bits to get 15 bits.

3.

$$95 - 49 = 46$$

4. A. 95 = 90 + 5 = 80 + 15 49 = 40 + 9 = 40 + 940 + 6 = 46

- **B.** Richard traded one ten for 10 ones and added them to the 5 ones. He wrote 15 to show 10 + 5 = 15.
- **5.** My estimate in Question 1 helps me know if my answer is reasonable, and solving it another way with base-ten pieces helps me check my work. My answer in Question 3 should match my answer in Question 4. It does, so I am sure my answer is correct.
- **6.** 46 + 49 = 95

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Expanded Form Subtraction Practice (TG pp. 1–2)

(1G pp. 1-2

Homework

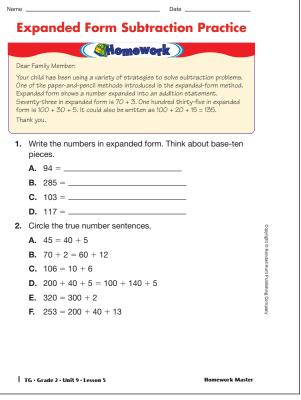
Questions 1-5

Possible responses given for Question 1.

- 1. A. 94 = 90 + 4
 - **B.** 285 = 200 + 80 + 5
 - **C.** 103 = 100 + 3
 - **D.** 117 = 100 + 10 + 7
- **2.** True number sentences: A, B, D, and F should be circled.
- 3. 98 = 90 + 8 25 = 20 + 570 + 3 = 73
- **4. A.** 72 = 70 + 2 = 60 + 12 36 = 30 + 6 = 30 + 6 30 + 6 = 36
 - **B.** yes
 - **C.** Mara wrote 60 + 12 because she traded a ten for 10 ones (70 10 = 60) and added them to the 2 ones to get 12 (10 + 2 = 12).

5.
$$82 = 80 + 2 = 70 + 12$$

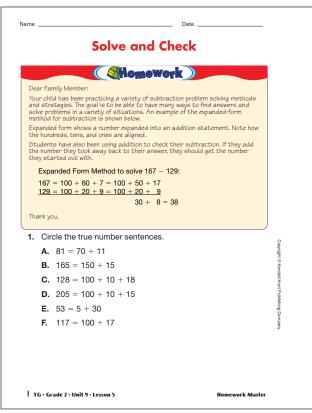
 $47 = 40 + 7 = 40 + 7$
 $30 + 5 = 35$



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Name	Date
3.	Chris used expanded form to solve 86 $-$ 54.
	86 = 80 + 6 $54 = 50 + 4$ $30 + 2 = 32$
	Solve 98 - 25 using expanded form.
	98 = +
	<u>25 = +</u>
4.	A. Mara started to use expanded form to solve a 72 - 36. Finish Mara's work.
	72 = 70 + 2 = 60 + 12 36 = 30 + 6 = 30 + 6
	+ =
mpany	B. Does 70 + 2 = 60 + 12?C. Explain why Mara wrote 60 + 12.
ახეოტი © Kendall Hunt Publishing Company	Use the expanded form method to solve $82-47$.
endall Hur	82 = + = +
opyright © K	47 = + = +
	work Master TG · Grade 2 · Unit 9 · Lesson 5

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Name	Date
2.	Use expanded form to solve each problem.
	A. 145 – 132
	145 = + +
	132 = + +
	B. 95 – 28
	95 = + +
	28 = + +
	C. 74 – 46
	74 = + +
	46 = + +
3.	Emily solved 119 - 57. Her answer was 62. She used addition to check her subtraction.
Publishing Company	62 (my answer) + 57 (the number I took away) 119 (the number I started with) When I add my answer to the number I took away, I get the number I started with, II9. Now I know my answer is correct!
	Show how to use addition like Emily to check the problem in Question 2C.
	vork Master TG · Grade 2 · Unit 9 · Lesson 5 2

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Solve and Check (TG pp. 1–2) Homework Questions (1–3)

I. True number sentences: A, B, C, and F should be circled.

2. A.
$$145 = 100 + 40 + 5$$

$$132 = 100 + 30 + 2$$

$$10 + 3 = 13$$

B.
$$95 = 90 + 5 = 80 + 15$$

$$28 = 20 + 8 = 20 + 8$$
$$60 + 7 = 67$$

C.
$$74 = 70 + 4 = 60 + 14$$

$$46 = 40 + 6 = 40 + 6$$

$$20 + 8 = 28$$

3.
$$28 + 46 = 74$$