base	t estimate the sum. Then show each problem using e-ten pieces. Write it in base-ten shorthand and anded form. Solve it. Remember the Fewest Pieces Rule
whe	en writing your final answer. You may draw a picture of r trades. Draw a circle around your final answer.
E	Example: 66 66 66 66 66 66 66 66 66 66 66 66 66 66 66 66 66 70 70 13 (63) 66 66 66 66 66 66 66 66 66 70 13 (63) 66 66 66 66 66 70 13 (63) 66 66 66 66 66 70 13 (63) 66 66 66 66 66 66 66 66 66 70 70 13 (63) 66 66 66 66 66 66 66 70 70 13 (63) 66 66 66 66 70 70 13 (63) 66 66 66 66 70 70 13 (63) 66 66 66 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70 70
	Estimate: 70 + 20 = 90
1.	28 <u>+ 19</u>
Copyright © Kendall Hunt Publishing Company	Estimate:
Kendall Hunt	53 + 27 =
ppyright ©	Estimate:



3.	39 <u>+ 44</u>		
	Estimate:		
4.	93 + 21 =		
	Estimate:		
5.	58 <u>+ 73</u>		copyright or vendaar nuitt nuaran eg contipany
	Estimate:		schuch Baussion.
6.	Look at Question 1 again. H mental math or another stra	ow could you solve it usin tegy or tool?	

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*Answers and/or discussion are included in the lesson.

TG • Grade 2 • Unit 7 • Lesson 5 • Answer Key

Student Activity Book

Use Expanded Form to Add (SAB pp. 341–342) Questions 1–6

Possible responses are given for estimates.

$$\begin{array}{c} 28 = 20 + 8 \\ + 19 = 10 + 9 \\ \hline 30 + 17 = 47 \end{array}$$

Estimate: 30 + 20 = 50

2.
$$53 = 50 + 3$$
$$+ 27 = 20 + 7$$
$$70 + 10 = 80$$

Estimate: 50 + 30 = 80

3.
$$39 = 30 + 9 + 44 = 40 + 4 = 70 + 13 = 83$$

Estimate: 40 + 40 = 80

4.
$$93 = 90 + 3$$

+ $21 = 20 + 1$
110 + 4 = 14

5.
$$58 = 50 + 8 + 73 = 70 + 3 = 120 + 11 = 131$$

Estimate: 60 + 70 = 130

6.* Answers will vary. Possible response: If I used mental math I could estimate 30 + 20 = 50 then subtract 3 to get 47.

Answer Key • Lesson 5: Two Paper-and-Pencil Methods

Two Ways to Write and Solve a Problem (SAB pp. 343–344) Questions 1–4

Possible responses are given for estimates.

١.	31 = 30 + 1	31
	55 = 50 + 5	<u>+ 55</u>
	80+6 = 86	80
	0	

$$\frac{+6}{86}$$

Estimate: 30 + 50 = 80

2.
$$37 = 30 + 7$$

 $43 = 40 + 3$
 $70 + 10 = 80$

3. 37
 $+ 43$
 10
 $+ 70$

Estimate: 40 + 40 = 80

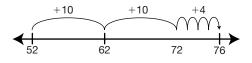
3.
$$52 = 50 + 2$$

 $24 = 20 + 4$
 $70 + 6 = 76$

5.
 $+ 24$
 70
 $+ 6$
 76

Estimate: 50 + 25 = 75

4. Answers will vary. Possible response for 52 + 24:



nethods. R our answe		estimate fir	rent paper-a st. Draw a c	ircle around
Examp	le: Ex	panded For	m A	II-Partials
2 + 4	-	23 = 20 + 3 46 = 40 + 6 60 + 9		23 + 46 = 60 + 9
Estima	ate: 25 + 50 :	= 75		69
1. 31 + 55		panded Forr	n All	-Partials
Estim	ate:			
2. 37 + 4		panded Forr	n Al	-Partials

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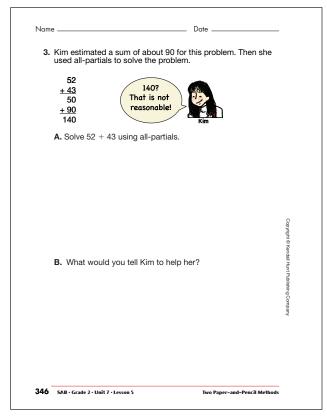
Two Paper-and-Pencil Methods

3.	52 <u>+ 24</u>	Expanded Form	1	All-Partials	
	Estimate:				
4.	mental math st	oblem from Ques rategy. Show or te <i>Chart</i> , number lir	ell how yo	ou solved it. Us	
			10, 01 001		
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					Copyright © Kendall Hurt Publishing Company

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_	
Three St	udents' Work
 Mario used expanded fo not finish. Finish his prob 	orm to solve this problem, but he di blem.
63 = 60 + 3 + 21	
 Emily used all-partials to 47 	o solve this problem.
+ <u>35</u> 70 + <u>12</u> 82	
A. Why did Emily write	12?
B. Why did she write 70	1?
Two Paper-and-Pencil Methods	SAB · Grade 2 · Unit 7 · Lesson 5

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Three Students' Work (SAB pp. 345–346) Questions 1–3

$$\begin{array}{r} \textbf{I.} \quad 63 = 60 + 3 \\ \underline{+21 = 20 + 1} \\ 80 + 4 = 84 \end{array}$$

- **2. A.** 7 ones plus 5 ones equals 12.
 - **B.** 4 tens plus 3 tens equals 70.

3. A. 52
$$+43$$

 5
 $+90$
 95

B. Possible response: Kim should have added 2 ones plus 3 ones. Instead, she added 2 tens plus 3 tens and wrote down 50. Then she added 5 tens and 4 tens and added 90 to the 50 to get 140.

Answer Key • Lesson 5: Two Paper-and-Pencil Methods

Teacher Guide

Paper-and-Pencil Addition (TG pp. 1–2) Homework **Questions 1–5**

1.
$$72 = 70 + 2$$

 $16 = 10 + 6$
 $80 + 8 = 88$
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 $+$

$$+8$$

(61

68

90

(105)

73

150

(158)

8 +

+ 85

2.
$$27 = 20 + 7$$

 $34 = 30 + 4$
 $50 + 11 = 61$
27
 $+ 34$
 11
 $+ 50$

3.
$$45 = 40 + 5$$

 $59 = 50 + 9$
 $90 + 14 = 104$
 45
 45
 $+ 59$
 90
 $+ 14$
 104

4.
$$68 = 60 + 8$$

 $37 = 30 + 7$
 $90 + 15 = 105$
6. 68
 $+ 37$
 90
 $+ 15$

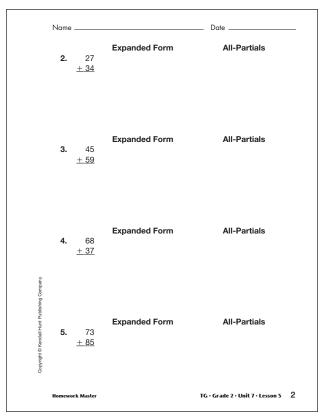
150 + 8 = 158

73 = 70 + 3

85 = 80 + 5

5.





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