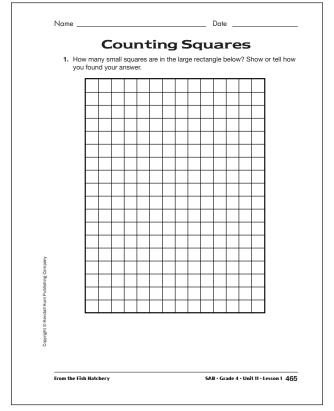
Questions 1-2 (SAB pp. 465-466)

1.\* 252 squares

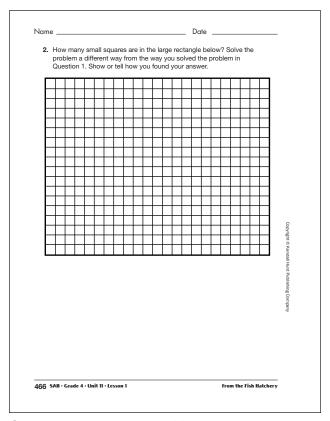
See Figures 3–5 in the lesson.

2.\* 414 squares

See Figure 6 in the lesson.



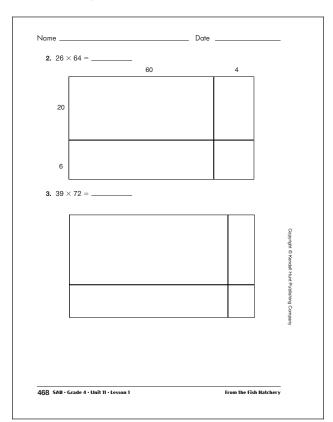
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<sup>\*</sup>Answers and/or discussion are included in the lesson.

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# **Multiplying with Rectangles**

## Questions 1-9 (SAB pp. 467-470)

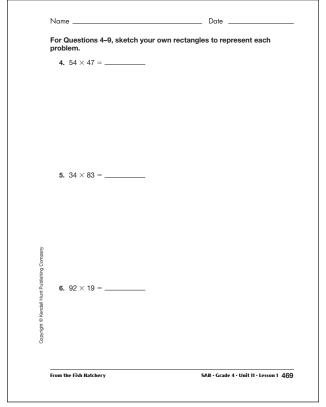
A rectangle is shown for 1.

	20	5	
10	$10 \times \underline{20} = \underline{200}$	$10 \times \frac{5}{20}$	200 50 140
7	$7 \times \underline{20} = \underline{140}$	$7 \times 5 = 35$	$\frac{+35}{425}$

- I. 425
- **2.** 1664
- **3.** 2808

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- **4.** 2538
- **5.** 2822
- **6.** 1748
- **7.** 1936
- **8.** 2581
- **9.** Possible estimation strategy:  $30 \times 90 = 2700$ ; Since I rounded both numbers up, the exact answer will be less. So 2581 makes sense.

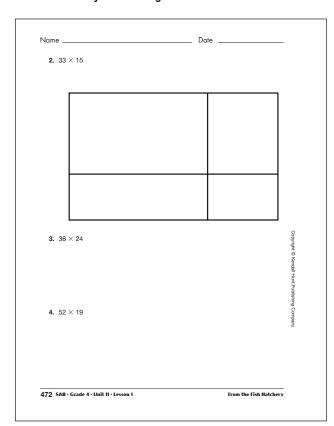


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Name Date	
7. 44 × 44 =	
<b>8.</b> 29 × 89 =	
	Substitution a
	TO NAME OF THE OWNER,
9. Show or tell how you know your answer to Question 8 is reasonable.	ant r dibilion
	Copyright or remain i turn i domaining Company
	ý
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# Student Activity Book - Page 471



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#### **Student Activity Book**

#### **Drawing Rectangles**

#### Questions 1-4 (SAB pp. 471-472)

A rectangle is shown for  $48 \times 21$ .

Possible estimation strategy:  $50 \times 20 = 1000$ ; 1008 is close

- I. 1008
- **2.** 495

- **3.** 864
- **4.** 988

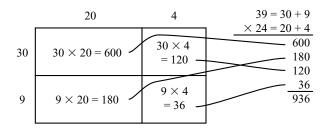
# Student Activity Book

## **Solving Multiplication Problems**

#### Questions 1-4 (SAB pp. 473-475)

I. rectangle

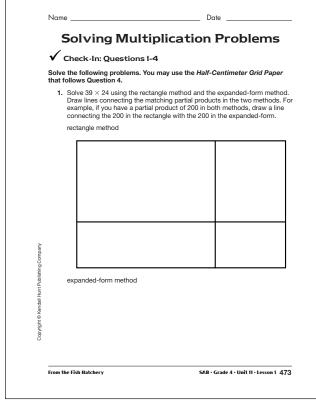
expanded form



$$600 + 180 + 120 + 36 = 936$$

2. A. 20 4  $50 \times 4$ 1000  $50 \times 20 = 1000$ 50 = 20040 200 + 8  $2 \times 4$ 2  $2 \times 20 = 40$ 1248 = 8

**B.** She multiplied  $50 \times 20$  and got 100, but the correct answer is 1000.



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Vame		Date		
2. Linda solve	d 52 $ imes$ 24 using expande	ed form:		
	200 <del>+</del> 40 <del>+</del>	50 × 20 50 × 4 2 × 20 2 × 4		
A. Check L	inda's answer by solving	$52 \times 24$ using the recta	ngle method.	
			Co	
			yright ©	
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			ublishing	
	istake did Linda make in e to help explain your an	solving the problem? Use swer.	Oppyright © Kendall Hurit Publishing Company	
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5

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3. A. 1674; 
$$29 = 29 + 9$$
  
 $+ 15 = 10 + 9$   
 $200 \leftarrow 20 \times 10$   
 $100 \leftarrow 20 \times 5$   
 $90 \leftarrow 10 \times 9$   
 $+ 45 \leftarrow 5 \times 9$ 

- **B.** 750; Possible strategy  $25 \times 3 = 75$ ;  $75 \times 10 = 750$
- **C.** 435; Possible solution:

	10	5	
20	$20 \times 10 = 200$	20 × 5 = 100	200 90 100
9	$9 \times 10 = 90$	9 × 5 = 45	$\frac{+45}{435}$

**4.** Possible estimation strategy for Question 3A:  $30 \times 50 = 1500$ ; since I rounded both numbers down, the exact answer will be greater than 1500. So 1674 makes sense.