4

Practicing Multiplication Strategies

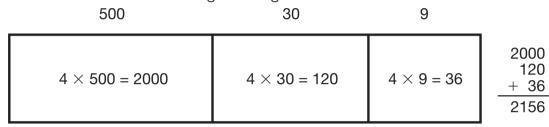
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Connecting Methods

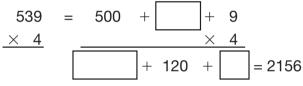
Self-Check: Question 1

Use the Multiplication Strategies Menu for Larger Numbers in the Student Guide Reference section to help you solve each problem.

1. Irma solved 4×539 using rectangles.



A. Use her rectangles to fill in the blanks for the same problem using expanded form.



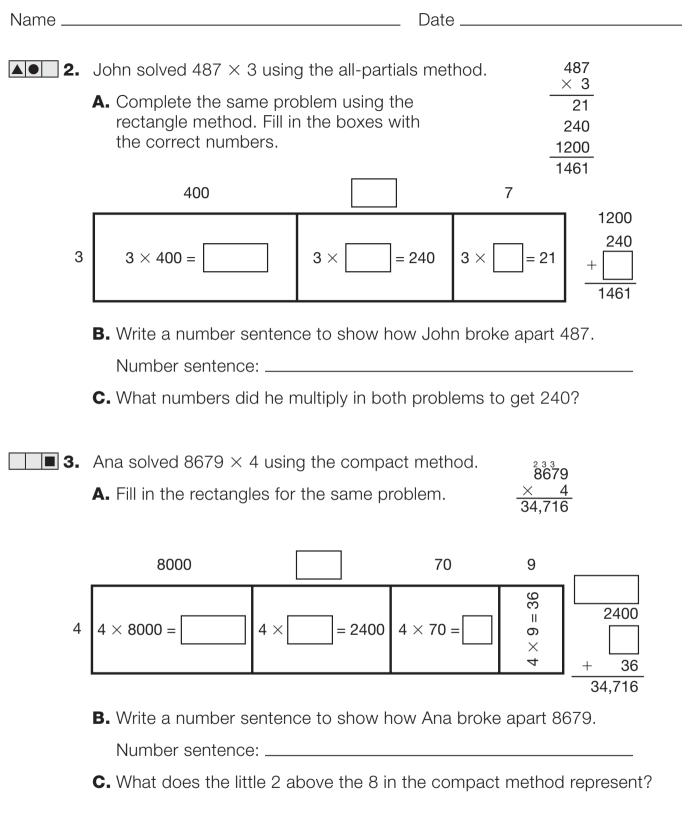
B. Write a number sentence to show how Irma broke apart 539.

Number sentence:

C. What numbers did Irma multiply in both problems to get 2000?

Use the Self-Check Questions and the menu to check your progress and choose practice with using multiplication methods.

	Use the Self-Check Questions and the menu to check your progress and choose practice with using multiplication methods.					
0	Workshop Menu					
Kendall Hunt Publishing		▲ Working On It!	• Getting It!	Got It!		
	Can I Do This?	I could use some extra help. Jacob	l just need some more practice.	l'm ready for a challenge. Nicholas		
Copyright ©	Show that I understand multiplication methods.	Questions 2, 4–6,	Questions 2, 4,	Questions 3, 4,		
C	Make connections between methods.	9, 12	6–10, 12	7–12		



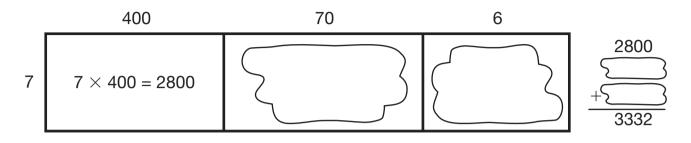
D. Where is the same 2 in the rectangle method?

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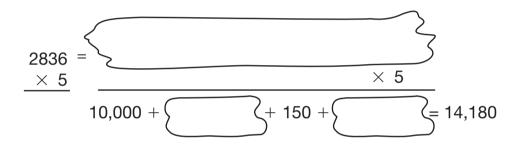
Name_

4. Professor Peabody's cat had muddy feet and walked across some problems. Fill in the muddy spots to show the problems correctly.

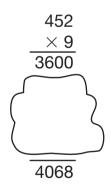
A. 7×476



B. 2836×5



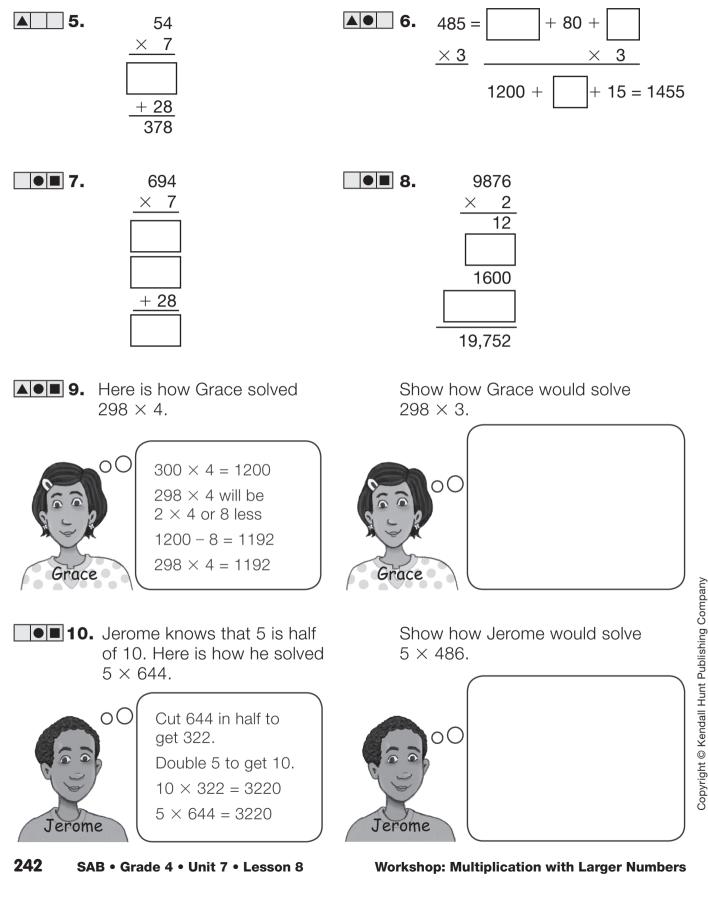
C. 9×452

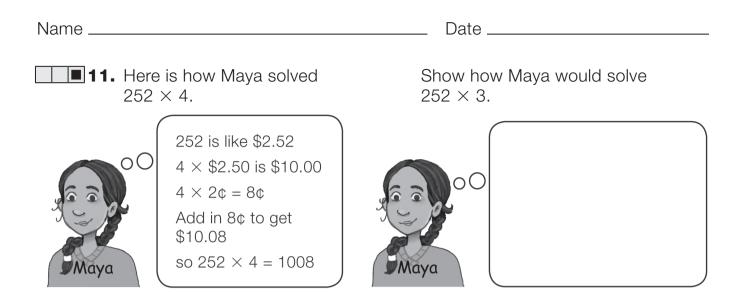


Name ____

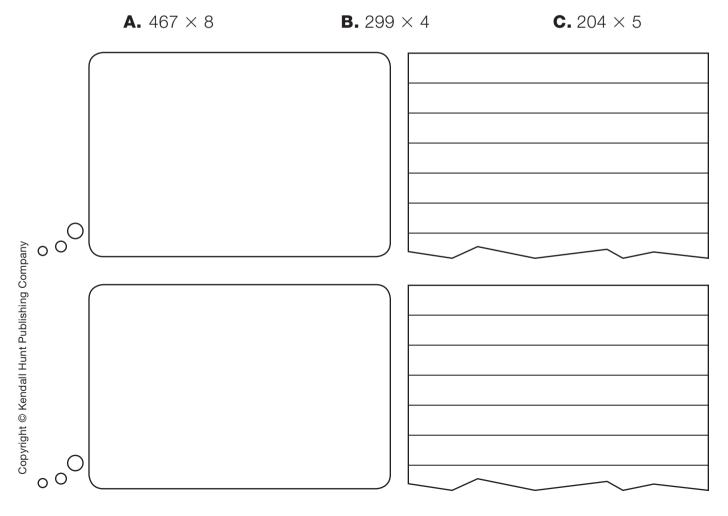
Date __

For Questions 5–8, fill in the boxes to complete the problems.





12. Solve the problems. Solve at least one problem using mental math and at least one using paper and pencil. Show your mental math solutions in the thought bubbles. Show your paper-and-pencil solutions on the note pads with lines.



Workshop: Multiplication with Larger Numbers

Date _____

Using Different Methods



Use the *Multiplication Strategies Menu for Larger Numbers* in the *Student Guide* Reference section to help you.

13. Solve 324×8 using three different strategies or methods.

Use the Self-Check Question and the menu to check your progress and choose practice with multiplication strategies and methods.

	Workshop Menu					
Can I Do This?	A Working On It! I could use some extra help. Nicholas	• Getting It! I just need some more practice.	Got It! I'm ready for a challenge.			
Use different methods to multiply large numbers by 1-digit numbers.		Questions 14–16 Use each of these methods at least once: • rectangle • all-partials • expanded form • compact method	Questions 14–16 Use each of these methods at least once: • rectangle • all-partials • expanded form • compact method			

Name		Date	
▲●■14.	Choose your own strategies and methods to solve the following problems. Remember to estimate to check that your answers are reasonable.		
	A. 5 × 48	B. 4×509	
	C. 842 × 9	D. 6 × 643	
	E. 3 × 924	F. 348 × 8	
	G. 268 × 5	H. 7064 × 7	

Name	Date

15. Choose a problem from the ones you just solved and show how you could solve it using mental math.

16. Choose a different problem and show your estimation strategy. Was your answer reasonable? Why or why not?

Play the Multiplication Digits Game with a partner or family member to practice using place value concepts to multiply.