## Unit 5 Lesson 9 Cumulative Practice Problems

1. Here is one way to find $2,​105÷5$ using partial quotients. Show a different way of using partial quotients to divide 2,105 by 5.
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1. Andre and Jada both found $657÷3$ using the partial quotients method, but they did the calculations differently, as shown here.
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	1. How is Jada's work the same as Andre’s work? How is it different?
	2. Explain why they have the same answer.
1. Which might be a better way to evaluate $1,​150÷46$: drawing base-ten diagrams or using the partial quotients method? Explain your reasoning.
2. Here is an incomplete calculation of $534÷6$.
* Write the missing numbers (marked with “?”) that would make the calculation complete.
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1. Use the partial quotients method to find $1,​032÷43$.
2. Which of the polygons has the greatest area?
	1. A rectangle that is 3.25 inches wide and 6.1 inches long.
	2. A square with side length of 4.6 inches.
	3. A parallelogram with a base of 5.875 inches and a height of 3.5 inches.
	4. A triangle with a base of 7.18 inches and a height of 5.4 inches.
* (From Unit 5, Lesson 8.)
1. One micrometer is a millionth of a meter. A certain spider web is 4 micrometers thick. A fiber in a shirt is 1 hundred-thousandth of a meter thick.
	1. Which is wider, the spider web or the fiber? Explain your reasoning.
	2. How many meters wider?
* (From Unit 5, Lesson 4.)



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