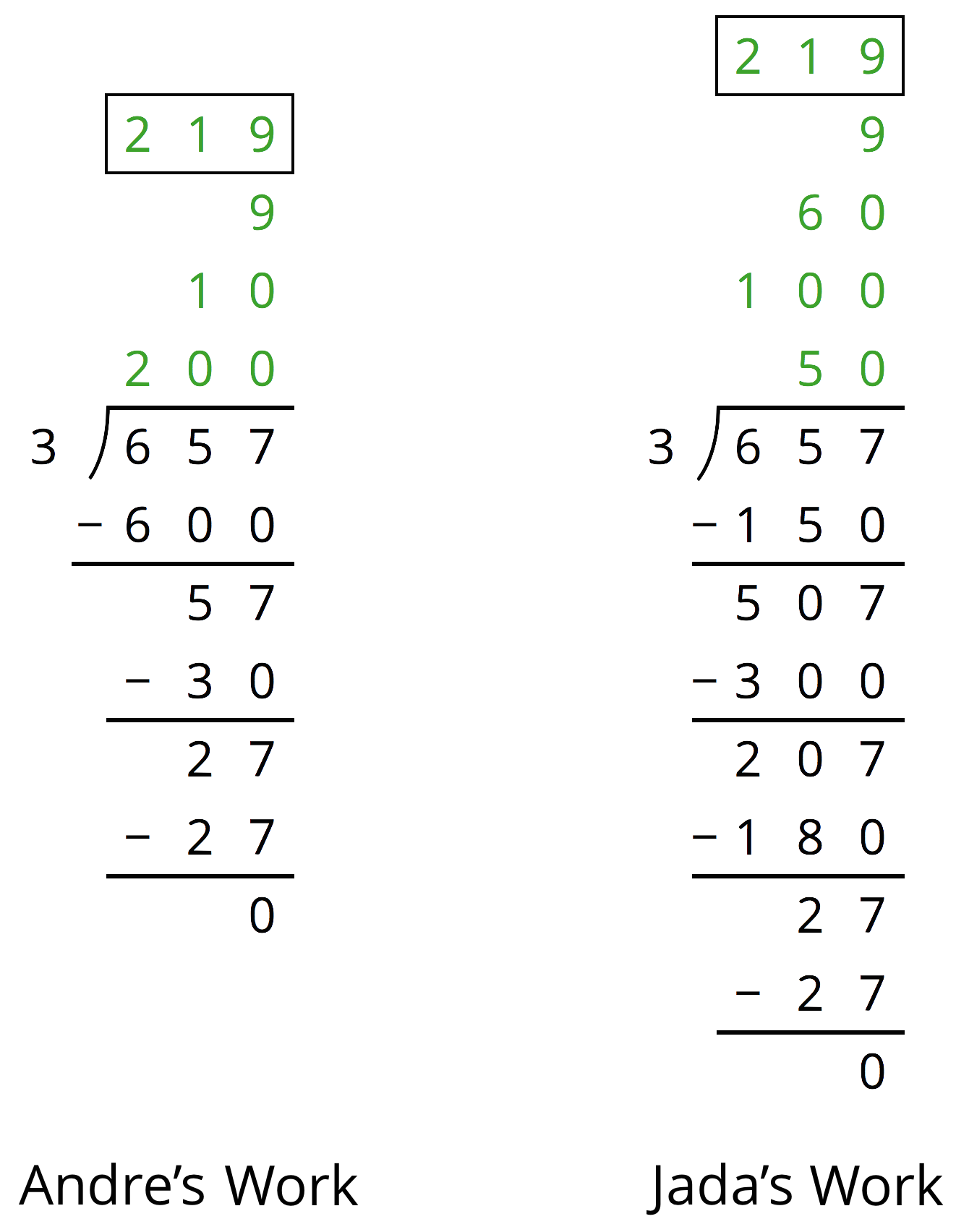
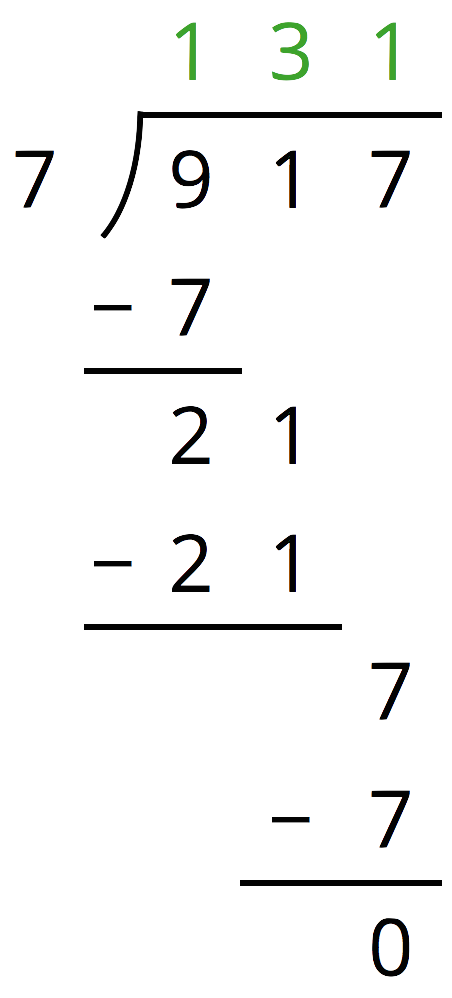
## Unit 3 Lesson 18 Cumulative Practice Problems

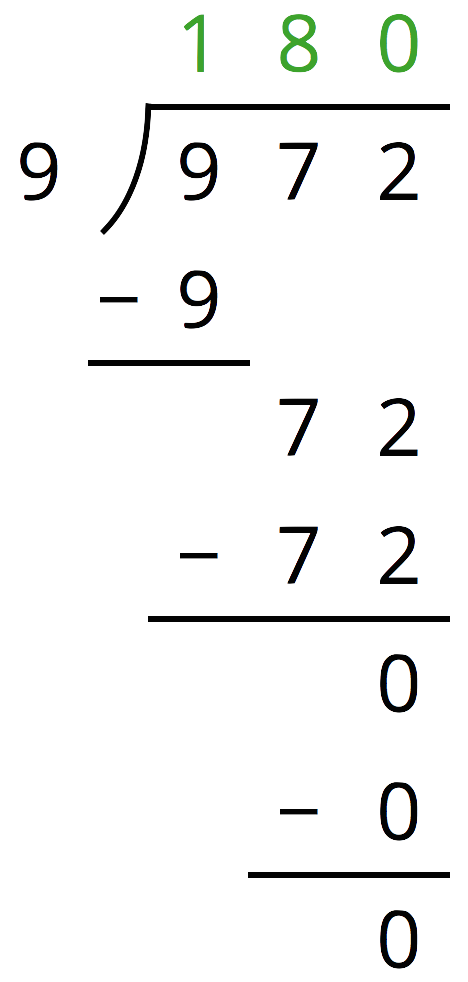
1. Andre and Jada both found  using the partial quotients method, but they did the calculations differently, as shown here.

* 
  1. How is Jada's work the same as Andre’s work? How is it different?
  2. Explain why they have the same answer.

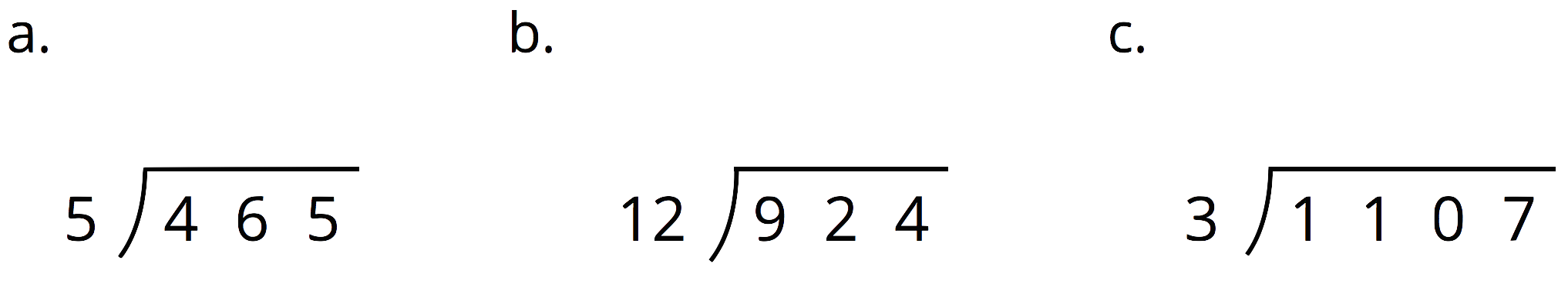
1. Here is a long-division calculation of .

* 
  1. There is a 7 under the 9 of 917. What does this 7 represent?
  2. What does the subtraction of 7 from 9 mean?
  3. Why is a 1 written next to the 2 from ?

1. Han's calculation of  is shown here.

* 
  1. Find .
  2. Use your calculation of to explain how you know Han has made a mistake.
  3. Identify and correct Han’s mistake.

1. Find each quotient.

* 

1. The mass of one coin is 16.718 grams. The mass of a second coin is 27.22 grams. How much greater is the mass of the second coin than the first? Show your reasoning.

* (From Unit 3, Lesson 15.)

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 3, Lesson 15.)



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