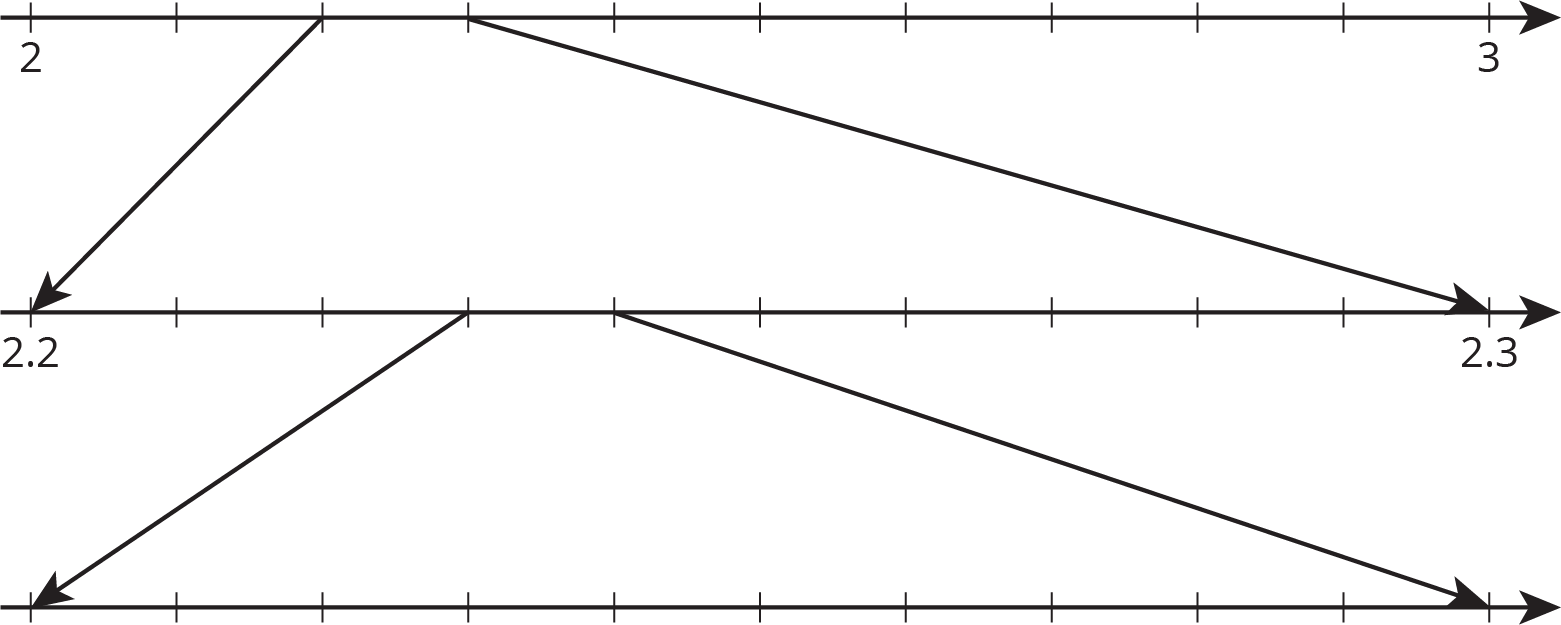
## Unit 8 Lesson 12 Cumulative Practice Problems

1. Elena and Han are discussing how to write the repeating decimal as a fraction. Han says that equals . “I calculated because the decimal begins repeating after 3 digits. Then I subtracted to get . Then I multiplied by to get rid of the decimal: . And finally I divided to get .” Elena says that equals . “I calculated because one digit repeats. Then I subtracted to get . Then I did what Han did to get and .”

* Do you agree with either of them? Explain your reasoning.

1. How are the numbers and the same? How are they different?
   1. Write each fraction as a decimal.
   2. Write each decimal as a fraction.
2. Write each fraction as a decimal.
3. Write each decimal as a fraction.
4. and . This gives some information about .

* Without directly calculating the square root, plot on all three number lines using successive approximation.
* 



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