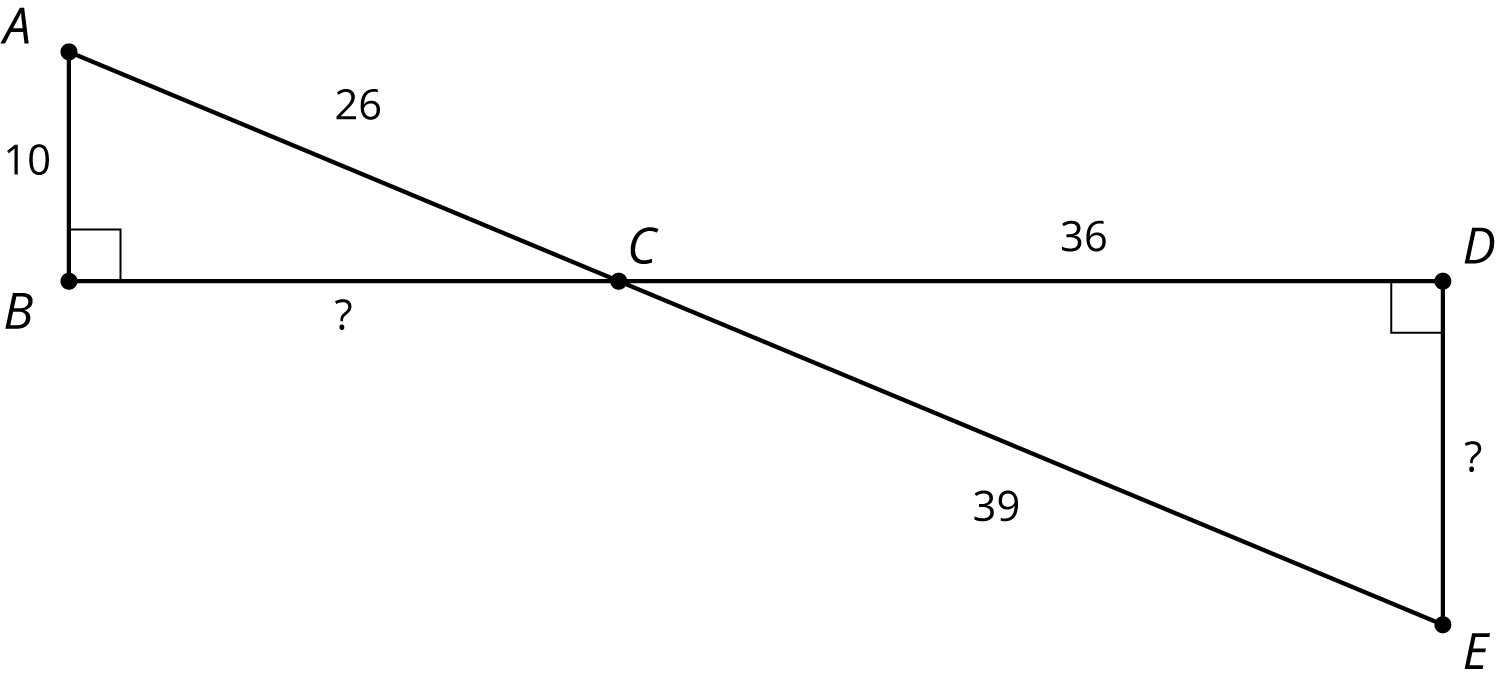
## Unit 7 Lesson 5 Cumulative Practice Problems

1. Write with a single exponent: (ex: )
2. Write each expression as a single power of 10.
3. Select **all** of the following that are equivalent to :
4. Match each equation to the situation it describes. Explain what the constant of proportionality means in each equation.

* Equations:
* Situations:
  + A dump truck is hauling loads of dirt to a construction site. After 20 loads, there are 70 square feet of dirt.
  + I am making a water and salt mixture that has 2 cups of salt for every 6 cups of water.
  + A store has a “4 for $10” sale on hats.
  + For every 48 cookies I bake, my students get 24.
* (From Unit 5, Lesson 2.)
  1. Explain why triangle is similar to .
  + 
  1. Find the missing side lengths.
* (From Unit 2, Lesson 13.)



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