

Standards Assessed

- A. Attend to precision
- B. Make sense of problems and persevere in solving them.
- C. Model with mathematics.
- D. Reduce terms with integer exponents using exponent properties.
- E. Use negative exponent properties to simplify monomials.

Solve using models, ratio tables and/or equations.

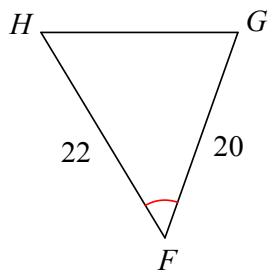
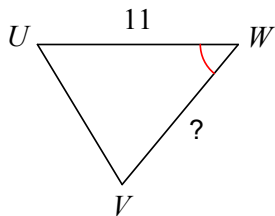
1) The ratio of Tonya's CDs to Anita's CDs was 2:3. Anita had 42 CDs. When Tonya lost four CDs, what was the new ratio of Tonya's CDs to Anita's?

2) Ashley needs to ride her bike to her friends house 96 miles away. She is riding at a rate of 15 miles per hour. She has 6 hours to get there. Will she make it?

3) Marcus needs to wear ties for his new job. At the department store, ties are \$19 each or 2 for \$58.80. If he wants to buy 6 new ties, which is the better deal?

4) A muffin tin holds a dozen muffins. I can fit in three muffin tins in my oven. Muffins cook for 15 minutes. If I need to make 180 muffins, how much baking time will it take to make all of my muffins.

5) Find the missing side



6) A swimming pool had a ratio of men to women of 4:7. If there were 9 fewer men than women, how many people were in the pool? How many men? How many women?

7) The ratio of men to women in the bowling league at The Alley Cat is 6:5. If there were 84 men in the league, how many people are there in the bowling league at The Alley Cat?