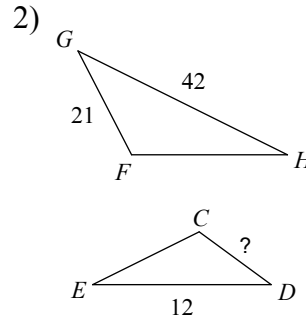
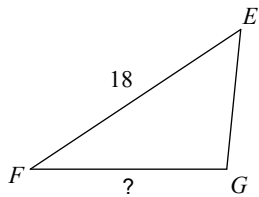
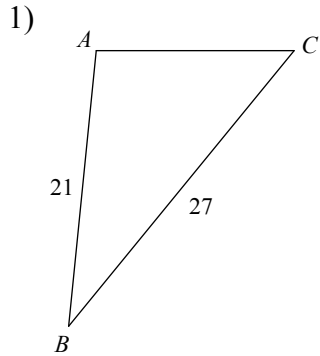


Use ratio and proportions to solve problems

Find missing side, triangles are similar



3) A rectangle has a length of 4 feet and a perimeter of 14 feet. What is the perimeter of a similar rectangle with a width of 9 feet?

4) 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?

5) A jar contained 100 marbles, all green and yellow. The ratio of green marbles to yellow marbles was 2:3. When 8 more green marbles are added, what is the new ratio of green marbles to yellow marbles?

6) The teachers and students of a school went to watch a play. The ratio of students to teachers was 5:1. If the student tickets cost \$15 and adult tickets cost \$25 and the total cost for all the tickets was \$2000, how many students went to the play?

7) Which is a better buy? A package of socks, 6 for \$8.50 Or A package of socks, 15 for 21.45?