

Mathematics, Concepts and Skills, Course 1

Problem Solving Help

Lesson 2.2: Greatest Common Factor

Help for Exercise 40 on page 68

In Exercise 40, you can start by finding the number of days in the calendar with 18 months of 20 days each and a month of 5 days. The next step is to find all the prime factors of the number of days in each calendar. You will notice that both numbers end in 0 or 5. Any number that ends in 0 or 5 is divisible by 5. Divide each number by 5 and then find the remaining prime factors. You can find the greatest common factor (GCF) once each number has been completely factored.