



Cheenta - Filix Math Olympiad Program

Starter Module

Day 6 - Forerunner problems

(Try these before coming to class)

Problem 1

Consider the following example: the divisors of 6 are 1, 2, 3, and 6. Hence the number of divisors of 6 is four.

Find a two digit number that has three divisors.

Problem 2

Consider the first 10 fibonacci numbers. Which numbers among them have an odd number of divisors?

Problem 3

Can you find four 2 -digit numbers which have an odd number of divisors. Do you see anything special in them?