

Quantitative Reasoning 28: The Magic of Numbers

Homework 8

Assigned on February 23

Due at 5:00 p.m. February 25

Please submit problem sets to the boxes outside the Math Department's main office, on the third floor of the Science Center (Room 325).

Reading:

Gross-Harris, Chapter 8

Problems:

Please explain your reasoning and show your work.

1. Describe the numbers which are divisible by both 4 and 10.
2. Determine the least common multiple of 12 and 15.
3. Determine the least common multiple of 5 and 7.
4. Describe the numbers which are divisible by 3, 5, and 6 (that is, the numbers which are divisible by all three of these).