

Quantitative Reasoning 28: The Magic of Numbers

Homework 9

Assigned on Friday October 10th

Due at 12 noon Wednesday October 15th

Please submit problem sets at the end of the relevant lecture, or leave in the box labeled QR28 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 9 and 12.
2. Determine the least common multiple of 12 and 16.
3. Describe the numbers which are divisible by 5, 6 and 9 (that is, the numbers which are divisible by all three of these).