

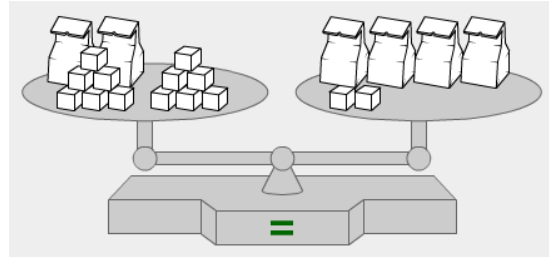
Name _____

MATH 221: BASIC CONCEPTS OF ELEMENTARY MATHEMATICS I

Quiz #2

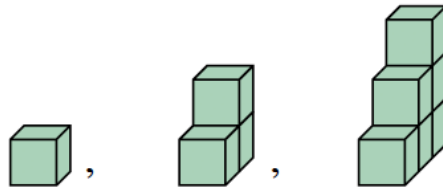
Points: Each problem is worth 4 points.

1. Each bag to the right contains the same number of heavy cubes. Each cube in a bag or outside a bag weighs the same amount. How many cubes are in each bag? (Assume that the weight of an empty bag is nothing.)



- (a) 2 (b) 3 (c) 4 (d) 5

2. Same-sized cubes are glued together to form a staircase-like sequence of solids as shown to the right. All of the unglued faces of the cubes need to be painted. How many squares will need to be painted in the 20th solid in this sequence?



- (a) 200 (b) 300
(c) 400 (d) 500

Each multiple choice question in this class will be graded as follows. Your answer should be clearly indicated by a circle around your choice for the answer. Circle the whole answer including the letter. You will get 0 points if a wrong answer is circled (even if a correct answer is also circled), you will get 1 point if no answer is circled, and you will get 4 points for a correct answer. Do not put other marks on or around the choices. If other marks are on or around the choices (for example, if a rectangle is placed around an answer), then you will likely get 0 points for your answer depending solely on what the instructor thinks the marks indicate.