

Name: Key

Math 221: Quiz 6 - 6/11/15

Solve the following problems. Solve the following problems on your own paper. You do not have to write the questions. For Problems 1-2, give the model represented by the problem, and briefly explain why this is the correct model. Please use a pencil if possible. [25 Points Each]

- Suppose you buy a gallon of milk for your class (128 oz of milk) and you wish to serve 8 oz of milk to each student. How many students can you serve?

Measurement - Know how much for each group (student), and want the number of groups.

- Suppose you had 15 students that wanted milk and you served them 8 oz each. How much milk did you serve altogether?

Repeated addition: adding up 8 oz per cup. Cups are single blocks, so not number line.

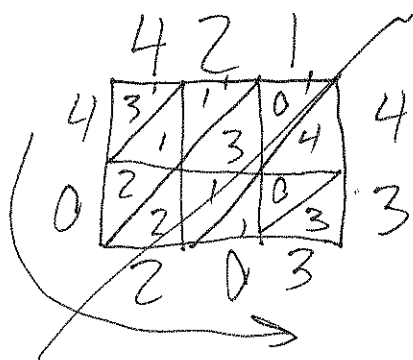
- Calculate $42_{\text{five}} \times 43_{\text{five}}$ using:

(a) Standard Algorithm

				23
				x 8
				124
				x 43
				1432
				+11110
				<u>112042</u> _{five}

				23
				x 8
				124
				x 43
				1432
				+11110
				<u>112042</u> _{five}

(b) Lattice Algorithm



~~40203_{five}~~

12042_{five}

