Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**End of Module III Study Guide**

*(Multi-Digit Multiplication and Division)*

1. What is the greatest multiple of 8 that is less than 72? Use skip counting and write your answer as a

 statement.

2. Identify each number as prime or composite. Then list all of its factors.

 a) 2 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 b) 8 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 c) 13 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 d) 22 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 e) 30 \_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. Use any place value strategy to divide

 a) 2,400 ÷ 8

 b) 87 erasers come in a container. If 3 teachers share 6 boxes equally, how many erasers does each

 teacher receive?

4. 327 ÷ 4

 a) Solve by drawing place value disks: b) Solve numerically

5. Use any place value strategy to multiply or divide.

 a) 6,135 ÷ 5 b) 9,083 ÷ 3

 c) 26 x 59 d) 13 x 47

Directions: Solve using a model or equation. Show your work, and write your answer as a statement.

6. A new hardware store is opening next month.

 a) The store’s rectangular floor is 29 meters long and 43 meters wide. How many square meters of flooring

 do they need? Use estimation to assess the reasonableness of your answer.

 b) The store ordered small posters and large posters to promote their opening. 14 times as many small

 posters were ordered as large posters. If there were 38 large posters, how many more small posters

 were ordered than large posters?

 c) Uniforms are sold in packages of 6. The store’s 137 employees will each be given 4 uniforms. How many

 packages will the store need to order?

 d) There are 3 numbers for the combination to the store’s safe. The first number is 15. The other 2

 numbers can be multiplied together to give a product of 32. What are all of the possibilities? Write your

 answers as multiplication equations, and then write all of the possible combinations to the safe.