Math 221 - Base 5 Multiplication and Division Worksheet

Name: _____   Date: _____

Instructions: Solve the following problems using all of your available methods. For multiplication, you should practice using base 5 blocks (if possible, using the array model), the standard algorithm, and the lattice method. For division, you should practice using base 5 blocks (if practical) and the long division method.

Multiplication

1. $32_{five} \times 3_{five} =$ _____
2. $40_{five} \times 2_{five} =$ _____

3. $404_{five} \times 4_{five} =$ _____
4. $1413_{five} \times 3_{five} =$ _____

5. $24_{five} \times 41_{five} =$ _____
6. $13_{five} \times 22_{five} =$ _____

7. $111_{five} \times 10_{five} =$ _____
8. $104_{five} \times 14_{five} =$ _____

9. $441_{five} \times 323_{five} =$ _____
10. $1313_{five} \times 1203_{five} =$ _____

Division

1. $42_{five} \div 2_{five} =$ _____
2. $43_{five} \div 3_{five} =$ _____

3. $231_{five} \div 3_{five} =$ _____
4. $134_{five} \div 4_{five} =$ _____

5. $1120_{five} \div 3_{five} =$ _____
6. $4131_{five} \div 2_{five} =$ _____

7. $323_{five} \div 13_{five} =$ _____
8. $403_{five} \div 22_{five} =$ _____

9. $3122_{five} \div 43_{five} =$ _____
10. $4110_{five} \div 31_{five} =$ _____

11. $1124_{five} \div 21_{five} =$ _____
12. $3411_{five} \div 413_{five} =$ _____