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

**Find the GCF & LCM for the next two pairs of numbers. Show your work!!!!**

1) 12 & 20 2) 8 & 18

GCF=\_\_\_\_\_\_\_LCM=\_\_\_\_\_\_\_\_ GCF=\_\_\_\_\_\_\_LCM=\_\_\_\_\_\_\_\_

3) You are making pumpkin pies for the bake sale. Pie crusts are sold in packs of 4. Pie filling is sold

in packs of 6 cans.

What is the smallest number of complete pies you can make (with crust and filling) and have the

same number of each? \_\_\_\_\_\_\_\_\_

How many packs of crusts should you buy? \_\_\_\_\_\_\_\_

How many packs of filling should you buy? \_\_\_\_\_\_\_\_

4) Logan has 32 roses and 48 tulips. He wants each row to have both types of flowers. He also

wants the same number of roses on each row, and the same number of tulips on each row.

What is the maximum number of rows he can plant? \_\_\_\_\_\_\_\_\_

How many roses will be on each row?\_\_\_\_\_\_\_\_\_

How many tulips will be on each row?\_\_\_\_\_\_\_\_\_

5) Two numbers are “relatively prime” if their only common factor is 1. Which numbers from 2

through 20 are relatively prime to 11? Show/explain how you know.

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