**Determine Common Factors and Greatest Common Factors Using a Venn diagram**

**Date: Name:**

**Instructions:** Using the Venn-Diagrams below, compare numbers to determine the common factors as well as the greatest common factor. Make sure to show all of your work and the factor pairs. Write a sentence once you have solved the problem stating what the common factors are as well as what the greatest common factor is.

1. **30 and 20**

**30 20**

30 ÷ 1 20 ÷ 1

30 ÷ 2 20 ÷ 2

30 ÷ 3 20 ÷ 3

30÷ 4 20 ÷ 4

30 ÷ 5 20 ÷5

30 ÷ 6 20 ÷ 6

30 ÷ 7 20 ÷ 7

30 ÷ 8 20 ÷ 8

30÷ 9 20 ÷ 9

**Sentence:**

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1. **27 and 81**

**Sentence:**

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1. **75 and 35**

**Sentence:**

1. **120 and 80**

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**Sentence:**

1. **54 and 63**

**Sentence:**