Name: _____

Greatest Common Factor

When you find all the factors of two or more numbers, and you find some factors are the same ("common"), the largest of those common factors is the **Greatest Common Factor (GCF).**

What are the factors of 12?   1, 2, 3, 4, 6, and 12

What are the factors of 20?   1, 2, 4, 5, 10, and 20

Which are the common factors?   1, 2, and 4

What is the GCF?   4

Find the GCF of each pair of numbers.

a. 6 and 15 - _____   b. 15 and 30 - _____   c. 9 and 12 - _____

d. 4 and 7 - _____   e. 8 and 10 - _____   f. 3 and 9 - _____

g. 21 and 35 - _____   h. 24 and 32 - _____   i. 15 and 25 - _____

j. 11 and 44 - _____   k. 20 and 30 - _____   l. 4 and 6 - _____

m. 9 and 27 - _____   n. 14 and 16 - _____   o. 5 and 11 - _____

p. 18 and 24 - _____   q. 3 and 37 - _____   r. 7and 63 - _____

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What are the factors of 20?	1, 2, 4, 5, 10, and 20
Which are the common factors?	1, 2, and 4
What is the GCF?	4

Find the GCF of each pair of numbers.

a. 6 and 15 - **3**   b. 15 and 30 - **15**   c. 9 and 12 - **3**

d. 4 and 7 - **1**   e. 8 and 10 - **2**   f. 3 and 9 - **3**

g. 21 and 35 - **7**   h. 24 and 32 - **8**   i. 15 and 25 - **5**

j. 11 and 44 - **11**   k. 20 and 30 - **10**   l. 4 and 6 - **2**

m. 9 and 27 - **9**   n. 14 and 16 - **2**   o. 5 and 11 - **1**

p. 18 and 24 - **6**   q. 3 and 37 - **1**   r. 7and 63 - **7**