Name _____ Date _____

Greatest Common Factor

In this worksheet, we will practice determining the greatest common factor of two numbers. Basically, determining the greatest common factor is finding the largest factor that both numbers have in common.

For example: Determine the greatest common factor of 12 and 40.
First, list the factors of 12 and 40.
12: 1, 2, 3, 4, 6, 12
40: 1, 2, 4, 5, 8, 10, 20, 40

Since 4 is the largest number that both have in common,
the greatest common factor of 12 and 40 is 4.

Exercise Questions:

1. Determine the greatest common factor of 18 and 45. _____

2. Determine the greatest common factor of 14 and 49. _____

3. Determine the greatest common factor of 24 and 60. _____

4. Determine the greatest common factor of 27 and 39. _____

5. Determine the greatest common factor of 36 and 66. _____

Answer Key

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Exercise Questions:

1. Determine the greatest common factor of 18 and 45. 9

2. Determine the greatest common factor of 14 and 49. 7

3. Determine the greatest common factor of 24 and 60. 12

4. Determine the greatest common factor of 27 and 39. 3

5. Determine the greatest common factor of 36 and 66. 6