# Common Factors

Math

Name _____ Class _____ Date _____

**Match each of the following terms to its definition:**

**Composite numbers** **Greatest common factor (GCF)** **Prime number**

**Prime factorization** **Common factor**

**1.** _____ - a number that will evenly divide into two or more numbers

*Example:*

factors of 4: 1,2,4
factors of 16: 1,2,4,8,16
**Common factors** of 4 and 16 are 1, 2 and 4.

**2.** _
not


**3.** _
nur



**4.** _____ - breaking a composite number down into prime number factors

*Example:*

$24 = 2 \times 2 \times 2 \times 3 = 2^3 \times 3$

prime factorization

**5.** _____ - a whole number greater than 0 with only two factors, 1 and the number itself

*Example:*

| Prime number | factors |
|---|---|
| 2 | 1, 2 |
| 3 | 1, 3 |
| 5 | 1, 5 |
| 7 | 1, 7 |

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ANSWER KEY

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| **Prime factorization** | **Common factor** | |

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