

LESSON 13: Greatest Common Factor, Prime and Composite Numbers

Homework

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Name _____ **Date** _____

Directions: Complete the following graphic organizer.

1.

| Number | Picture(s) | All Factors | Numbers Divisible By | Prime or Composite |
|--------|------------|-------------|----------------------|--------------------|
| 6 | | | | |

Directions: Create factor trees to find the prime factorizations and greatest common factors for the numbers.

2. 51 and 27
GCF = ____

51 27

3. 36 and 18
GCF = ____

36 18

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Name _____ **Date** _____**Directions:** Solve the following problems for the greatest common factor (GCF). Make lists or graphic organizers to solve, if needed.**4.** 21, 18, and 24

GCF: ____

5. 39 and 65

GCF: ____

6. 48 and 36

GCF: ____

7. 21, 51, and 18

GCF: ____

8. 18 and 54

GCF: ____

9. 42 and 26

GCF: ____

10. 54 and 72

GCF: ____