

Name _____

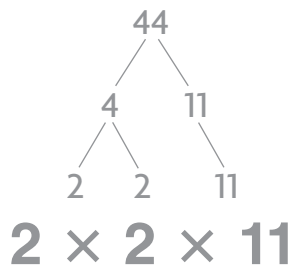
Prime Factorization



COMMON CORE STANDARD—6.NS.4
 Compute fluently with multi-digit numbers
 and find common factors and multiples.

Find the prime factorization.

1. 44



2. 90

3. 48

4. 204

5. 400

6. 112

Write the number whose prime factorization is given.

7. $3 \times 3 \times 11$

8. $2 \times 2 \times 7 \times 13$

9. $2 \times 3 \times 3 \times 3$

Problem Solving



10. A computer code is based on the prime factorization of 160. Find the prime factorization of 160.

11. The combination for a lock is a 3-digit number. The digits are the prime factors of 42 listed from least to greatest. What is the combination for the lock?
