Prime Factorization

1. Which is the prime factorization of 100?
   a. 2×50
   b. $2 \times 2 \times 25$
   c. 4×25
   d. $2 \times 5 \times 2 \times 5$

2. What is the prime factorization of 28
   a. 2 x 2 x 4 x 7
   b. 2 x 2 x 7
   c. 4 x 7

3. The prime factorization of 48 is
   a. 2 x 2 x 2 x 2 x 3
   b. 2 x 2 x 2 x 3
   c. 2 x 3 x 2 x 4

4. What is the prime factorization of 27?
   a. 3x3x9
   b. 3x9
   c. 3x3x3

5. What is the prime factorization of 125?

6. What is the prime factorization of 56?

7. What is the prime factorization of 9?

8. What is the prime factorization of 60?

9. What is the prime factorization of 72?

10. write the prime factorization of 160?

11. What is the prime factorization of 54?

12. Find the prime factorization:
108