Name: _____   Date: _____

Determine the least common multiple using the prime factors of each number.

1. 21 =
    87 =
    LCM =

2. 44 =
    66 =
    LCM =

3. 90 =
    46 =
    LCM =

4. 68 =
    6 =
    LCM =

5. 34 =
    64 =
    LCM =

6. 91 =
    35 =
    LCM =

7. 58 =
    88 =
    LCM =

8. 87 =
    54 =
    LCM =

9. 94 =
    14 =
    LCM =

10. 50 =
     34 =
     LCM =

Name: _____   Date: _____

Determine the least common multiple using the prime factors of each number.

1. $21 = 3 \times 7$

    $87 = 3 \times 29$

    LCM = $3 \times 7 \times 29$

    = 609

2. $44 = 2^2 \times 11$

    $66 = 2 \times 3 \times 11$

    LCM = $2^2 \times 3 \times 11$

    = 132

3. $90 = 2 \times 3^2 \times 5$

    $46 = 2 \times 23$

    LCM = $2 \times 3^2 \times 5 \times 23$

    = 2070

4. $68 = 2^2 \times 17$

    $6 = 2 \times 3$

    LCM = $2^2 \times 3 \times 17$

    = 204

5. $34 = 2 \times 17$

    $64 = 2^6$

    LCM = $2^6 \times 17$

    = 1088

6. $91 = 7 \times 13$

    $35 = 5 \times 7$

    LCM = $5 \times 7 \times 13$

    = 455

7. $58 = 2 \times 29$

    $88 = 2^3 \times 11$

    LCM = $2^3 \times 11 \times 29$

    = 2552

8. $87 = 3 \times 29$

    $54 = 2 \times 3^3$

    LCM = $2 \times 3^3 \times 29$

    = 1566

9. $94 = 2 \times 47$

    $14 = 2 \times 7$

    LCM = $2 \times 7 \times 47$

    = 658

10. $50 = 2 \times 5^2$

    $34 = 2 \times 17$

    LCM = $2 \times 5^2 \times 17$

    = 850