Least Common Multiple (A)

Name: _____ Date: _____

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

1. 90 =
   39 =
   LCM =

2. 70 =
   60 =
   LCM =

3. 16 =
   28 =
   LCM =

4. 76 =
   86 =
   LCM =

5. 68 =
   58 =
   LCM =

6. 66 =
   10 =
   LCM =

7. 56 =
   46 =
   LCM =

8. 39 =
   57 =
   LCM =

9. 20 =
   48 =
   LCM =

10. 74 =
    4 =
    LCM =

Least Common Multiple (A)

Name: _____ Date: _____

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

1. $90 = 2 \times 3^2 \times 5$
   $39 = 3 \times 13$
   LCM = $2 \times 3^2 \times 5 \times 13$
   = 1170

2. $70 = 2 \times 5 \times 7$
   $60 = 2^2 \times 3 \times 5$
   LCM = $2^2 \times 3 \times 5 \times 7$
   = 420

3. $16 = 2^4$
   $28 = 2^2 \times 7$
   LCM = $2^4 \times 7$
   = 112

4. $76 = 2^2 \times 19$
   $86 = 2 \times 43$
   LCM = $2^2 \times 19 \times 43$
   = 3268

5. $68 = 2^2 \times 17$
   $58 = 2 \times 29$
   LCM = $2^2 \times 17 \times 29$
   = 1972

6. $66 = 2 \times 3 \times 11$
   $10 = 2 \times 5$
   LCM = $2 \times 3 \times 5 \times 11$
   = 330

7. $56 = 2^3 \times 7$
   $46 = 2 \times 23$
   LCM = $2^3 \times 7 \times 23$
   = 1288

8. $39 = 3 \times 13$
   $57 = 3 \times 19$
   LCM = $3 \times 13 \times 19$
   = 741

9. $20 = 2^2 \times 5$
   $48 = 2^4 \times 3$
   LCM = $2^4 \times 3 \times 5$
   = 240

10. $74 = 2 \times 37$
    $4 = 2^2$
    LCM = $2^2 \times 37$
    = 148

Least Common Multiple (B)

Name: _____ Date: _____

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

1. 34 =
   58 =
   LCM =

2. 14 =
   63 =
   LCM =

3. 66 =
   8 =
   LCM =

4. 92 =
   64 =
   LCM =

5. 60 =
   72 =
   LCM =

6. 4 =
   98 =
   LCM =

7. 24 =
   88 =
   LCM =

8. 56 =
   54 =
   LCM =

9. 58 =
   46 =
   LCM =

10. 8 =
    38 =
    LCM =

Least Common Multiple (B)

Name: _____ Date: _____

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

1. $34 = 2 \times 17$
   $58 = 2 \times 29$
   $LCM = 2 \times 17 \times 29$
   $= 986$

2. $14 = 2 \times 7$
   $63 = 3^2 \times 7$
   $LCM = 2 \times 3^2 \times 7$
   $= 126$

3. $66 = 2 \times 3 \times 11$
   $8 = 2^3$
   $LCM = 2^3 \times 3 \times 11$
   $= 264$

4. $92 = 2^2 \times 23$
   $64 = 2^6$
   $LCM = 2^6 \times 23$
   $= 1472$

5. $60 = 2^2 \times 3 \times 5$
   $72 = 2^3 \times 3^2$
   $LCM = 2^3 \times 3^2 \times 5$
   $= 360$

6. $4 = 2^2$
   $98 = 2 \times 7^2$
   $LCM = 2^2 \times 7^2$
   $= 196$

7. $24 = 2^3 \times 3$
   $88 = 2^3 \times 11$
   $LCM = 2^3 \times 3 \times 11$
   $= 264$

8. $56 = 2^3 \times 7$
   $54 = 2 \times 3^3$
   $LCM = 2^3 \times 3^3 \times 7$
   $= 1512$

9. $58 = 2 \times 29$
   $46 = 2 \times 23$
   $LCM = 2 \times 23 \times 29$
   $= 1334$

10. $8 = 2^3$
    $38 = 2 \times 19$
    $LCM = 2^3 \times 19$
    $= 152$

Least Common Multiple (C)

Name: _____ Date: _____

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

1. 50 =
   60 =
   LCM =

2. 84 =
   81 =
   LCM =

3. 45 =
   95 =
   LCM =

4. 80 =
   72 =
   LCM =

5. 88 =
   32 =
   LCM =

6. 56 =
   40 =
   LCM =

7. 98 =
   60 =
   LCM =

8. 38 =
   92 =
   LCM =

9. 94 =
   58 =
   LCM =

10. 38 =
    62 =
    LCM =

Least Common Multiple (C)

Name: _____ Date: _____

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

1. $50 = 2 \times 5^2$
   $60 = 2^2 \times 3 \times 5$
   LCM = $2^2 \times 3 \times 5^2$
   = 300

2. $84 = 2^2 \times 3 \times 7$
   $81 = 3^4$
   LCM = $2^2 \times 3^4 \times 7$
   = 2268

3. $45 = 3^2 \times 5$
   $95 = 5 \times 19$
   LCM = $3^2 \times 5 \times 19$
   = 855

4. $80 = 2^4 \times 5$
   $72 = 2^3 \times 3^2$
   LCM = $2^4 \times 3^2 \times 5$
   = 720

5. $88 = 2^3 \times 11$
   $32 = 2^5$
   LCM = $2^5 \times 11$
   = 352

6. $56 = 2^3 \times 7$
   $40 = 2^3 \times 5$
   LCM = $2^3 \times 5 \times 7$
   = 280

7. $98 = 2 \times 7^2$
   $60 = 2^2 \times 3 \times 5$
   LCM = $2^2 \times 3 \times 5 \times 7^2$
   = 2940

8. $38 = 2 \times 19$
   $92 = 2^2 \times 23$
   LCM = $2^2 \times 19 \times 23$
   = 1748

9. $94 = 2 \times 47$
   $58 = 2 \times 29$
   LCM = $2 \times 29 \times 47$
   = 2726

10. $38 = 2 \times 19$
    $62 = 2 \times 31$
    LCM = $2 \times 19 \times 31$
    = 1178

Least Common Multiple (D)

Name: _____ Date: _____

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

1. 51 =
   96 =
   LCM =

2. 70 =
   8 =
   LCM =

3. 100 =
   78 =
   LCM =

4. 92 =
   66 =
   LCM =

5. 52 =
   6 =
   LCM =

6. 90 =
   44 =
   LCM =

7. 28 =
   50 =
   LCM =

8. 98 =
   70 =
   LCM =

9. 30 =
   69 =
   LCM =

10. 58 =
    20 =
    LCM =

Least Common Multiple (D)

Name: _____ Date: _____

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

1. $51 = 3 \times 17$
   $96 = 2^5 \times 3$
   $LCM = 2^5 \times 3 \times 17$
   $= 1632$

2. $70 = 2 \times 5 \times 7$
   $8 = 2^3$
   $LCM = 2^3 \times 5 \times 7$
   $= 280$

3. $100 = 2^2 \times 5^2$
   $78 = 2 \times 3 \times 13$
   $LCM = 2^2 \times 3 \times 5^2 \times 13$
   $= 3900$

4. $92 = 2^2 \times 23$
   $66 = 2 \times 3 \times 11$
   $LCM = 2^2 \times 3 \times 11 \times 23$
   $= 3036$

5. $52 = 2^2 \times 13$
   $6 = 2 \times 3$
   $LCM = 2^2 \times 3 \times 13$
   $= 156$

6. $90 = 2 \times 3^2 \times 5$
   $44 = 2^2 \times 11$
   $LCM = 2^2 \times 3^2 \times 5 \times 11$
   $= 1980$

7. $28 = 2^2 \times 7$
   $50 = 2 \times 5^2$
   $LCM = 2^2 \times 5^2 \times 7$
   $= 700$

8. $98 = 2 \times 7^2$
   $70 = 2 \times 5 \times 7$
   $LCM = 2 \times 5 \times 7^2$
   $= 490$

9. $30 = 2 \times 3 \times 5$
   $69 = 3 \times 23$
   $LCM = 2 \times 3 \times 5 \times 23$
   $= 690$

10. $58 = 2 \times 29$
    $20 = 2^2 \times 5$
    $LCM = 2^2 \times 5 \times 29$
    $= 580$

Least Common Multiple (E)

Name: _____ Date: _____

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

1. 4 =
   42 =
   LCM =

2. 60 =
   82 =
   LCM =

3. 86 =
   74 =
   LCM =

4. 82 =
   36 =
   LCM =

5. 32 =
   44 =
   LCM =

6. 54 =
   39 =
   LCM =

7. 58 =
   26 =
   LCM =

8. 52 =
   88 =
   LCM =

9. 82 =
   70 =
   LCM =

10. 52 =
    24 =
    LCM =

Least Common Multiple (E)

Name: _____ Date: _____

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

1. $4 = 2^2$
   $42 = 2 \times 3 \times 7$
   LCM = $2^2 \times 3 \times 7$
   = 84

2. $60 = 2^2 \times 3 \times 5$
   $82 = 2 \times 41$
   LCM = $2^2 \times 3 \times 5 \times 41$
   = 2460

3. $86 = 2 \times 43$
   $74 = 2 \times 37$
   LCM = $2 \times 37 \times 43$
   = 3182

4. $82 = 2 \times 41$
   $36 = 2^2 \times 3^2$
   LCM = $2^2 \times 3^2 \times 41$
   = 1476

5. $32 = 2^5$
   $44 = 2^2 \times 11$
   LCM = $2^5 \times 11$
   = 352

6. $54 = 2 \times 3^3$
   $39 = 3 \times 13$
   LCM = $2 \times 3^3 \times 13$
   = 702

7. $58 = 2 \times 29$
   $26 = 2 \times 13$
   LCM = $2 \times 13 \times 29$
   = 754

8. $52 = 2^2 \times 13$
   $88 = 2^3 \times 11$
   LCM = $2^3 \times 11 \times 13$
   = 1144

9. $82 = 2 \times 41$
   $70 = 2 \times 5 \times 7$
   LCM = $2 \times 5 \times 7 \times 41$
   = 2870

10. $52 = 2^2 \times 13$
    $24 = 2^3 \times 3$
    LCM = $2^3 \times 3 \times 13$
    = 312

Least Common Multiple (F)

Name: _____ Date: _____

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

1. 87 =
   96 =
   LCM =

2. 8 =
   44 =
   LCM =

3. 96 =
   30 =
   LCM =

4. 42 =
   58 =
   LCM =

5. 15 =
   25 =
   LCM =

6. 72 =
   64 =
   LCM =

7. 93 =
   36 =
   LCM =

8. 52 =
   84 =
   LCM =

9. 44 =
   76 =
   LCM =

10. 58 =
    52 =
    LCM =

Least Common Multiple (F)

Name: _____ Date: _____

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

1. $87 = 3 \times 29$
   $96 = 2^5 \times 3$
   LCM = $2^5 \times 3 \times 29$
   = 2784

2. $8 = 2^3$
   $44 = 2^2 \times 11$
   LCM = $2^3 \times 11$
   = 88

3. $96 = 2^5 \times 3$
   $30 = 2 \times 3 \times 5$
   LCM = $2^5 \times 3 \times 5$
   = 480

4. $42 = 2 \times 3 \times 7$
   $58 = 2 \times 29$
   LCM = $2 \times 3 \times 7 \times 29$
   = 1218

5. $15 = 3 \times 5$
   $25 = 5^2$
   LCM = 3×5^2
   = 75

6. $72 = 2^3 \times 3^2$
   $64 = 2^6$
   LCM = $2^6 \times 3^2$
   = 576

7. $93 = 3 \times 31$
   $36 = 2^2 \times 3^2$
   LCM = $2^2 \times 3^2 \times 31$
   = 1116

8. $52 = 2^2 \times 13$
   $84 = 2^2 \times 3 \times 7$
   LCM = $2^2 \times 3 \times 7 \times 13$
   = 1092

9. $44 = 2^2 \times 11$
   $76 = 2^2 \times 19$
   LCM = $2^2 \times 11 \times 19$
   = 836

10. $58 = 2 \times 29$
    $52 = 2^2 \times 13$
    LCM = $2^2 \times 13 \times 29$
    = 1508

Least Common Multiple (G)

Name: _____ Date: _____

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

1. 10 =
   98 =
   LCM =

2. 18 =
   98 =
   LCM =

3. 58 =
   12 =
   LCM =

4. 18 =
   82 =
   LCM =

5. 45 =
   75 =
   LCM =

6. 69 =
   45 =
   LCM =

7. 28 =
   100 =
   LCM =

8. 66 =
   36 =
   LCM =

9. 76 =
   58 =
   LCM =

10. 46 =
    22 =
    LCM =

Least Common Multiple (G)

Name: _____ Date: _____

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

1. $10 = 2 \times 5$
   $98 = 2 \times 7^2$
   $LCM = 2 \times 5 \times 7^2$
   $= 490$

2. $18 = 2 \times 3^2$
   $98 = 2 \times 7^2$
   $LCM = 2 \times 3^2 \times 7^2$
   $= 882$

3. $58 = 2 \times 29$
   $12 = 2^2 \times 3$
   $LCM = 2^2 \times 3 \times 29$
   $= 348$

4. $18 = 2 \times 3^2$
   $82 = 2 \times 41$
   $LCM = 2 \times 3^2 \times 41$
   $= 738$

5. $45 = 3^2 \times 5$
   $75 = 3 \times 5^2$
   $LCM = 3^2 \times 5^2$
   $= 225$

6. $69 = 3 \times 23$
   $45 = 3^2 \times 5$
   $LCM = 3^2 \times 5 \times 23$
   $= 1035$

7. $28 = 2^2 \times 7$
   $100 = 2^2 \times 5^2$
   $LCM = 2^2 \times 5^2 \times 7$
   $= 700$

8. $66 = 2 \times 3 \times 11$
   $36 = 2^2 \times 3^2$
   $LCM = 2^2 \times 3^2 \times 11$
   $= 396$

9. $76 = 2^2 \times 19$
   $58 = 2 \times 29$
   $LCM = 2^2 \times 19 \times 29$
   $= 2204$

10. $46 = 2 \times 23$
    $22 = 2 \times 11$
    $LCM = 2 \times 11 \times 23$
    $= 506$

Least Common Multiple (H)

Name: _____ Date: _____

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

1. 21 =
   36 =
   LCM =

2. 56 =
   91 =
   LCM =

3. 25 =
   95 =
   LCM =

4. 40 =
   85 =
   LCM =

5. 36 =
   44 =
   LCM =

6. 12 =
   64 =
   LCM =

7. 8 =
   28 =
   LCM =

8. 24 =
   93 =
   LCM =

9. 95 =
   76 =
   LCM =

10. 78 =
    24 =
    LCM =

Least Common Multiple (H)

Name: _____ Date: _____

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

1. $21 = 3 \times 7$
   $36 = 2^2 \times 3^2$
   $LCM = 2^2 \times 3^2 \times 7$
   $= 252$

2. $56 = 2^3 \times 7$
   $91 = 7 \times 13$
   $LCM = 2^3 \times 7 \times 13$
   $= 728$

3. $25 = 5^2$
   $95 = 5 \times 19$
   $LCM = 5^2 \times 19$
   $= 475$

4. $40 = 2^3 \times 5$
   $85 = 5 \times 17$
   $LCM = 2^3 \times 5 \times 17$
   $= 680$

5. $36 = 2^2 \times 3^2$
   $44 = 2^2 \times 11$
   $LCM = 2^2 \times 3^2 \times 11$
   $= 396$

6. $12 = 2^2 \times 3$
   $64 = 2^6$
   $LCM = 2^6 \times 3$
   $= 192$

7. $8 = 2^3$
   $28 = 2^2 \times 7$
   $LCM = 2^3 \times 7$
   $= 56$

8. $24 = 2^3 \times 3$
   $93 = 3 \times 31$
   $LCM = 2^3 \times 3 \times 31$
   $= 744$

9. $95 = 5 \times 19$
   $76 = 2^2 \times 19$
   $LCM = 2^2 \times 5 \times 19$
   $= 380$

10. $78 = 2 \times 3 \times 13$
    $24 = 2^3 \times 3$
    $LCM = 2^3 \times 3 \times 13$
    $= 312$

Least Common Multiple (I)

Name: _____ Date: _____

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

1. 26 =
   68 =
   LCM =

2. 8 =
   14 =
   LCM =

3. 45 =
   6 =
   LCM =

4. 63 =
   30 =
   LCM =

5. 55 =
   25 =
   LCM =

6. 98 =
   94 =
   LCM =

7. 22 =
   96 =
   LCM =

8. 10 =
   75 =
   LCM =

9. 32 =
   26 =
   LCM =

10. 93 =
    90 =
    LCM =

Least Common Multiple (I)

Name: _____ Date: _____

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

1. $26 = 2 \times 13$
   $68 = 2^2 \times 17$
   LCM = $2^2 \times 13 \times 17$
   = 884

2. $8 = 2^3$
   $14 = 2 \times 7$
   LCM = $2^3 \times 7$
   = 56

3. $45 = 3^2 \times 5$
   $6 = 2 \times 3$
   LCM = $2 \times 3^2 \times 5$
   = 90

4. $63 = 3^2 \times 7$
   $30 = 2 \times 3 \times 5$
   LCM = $2 \times 3^2 \times 5 \times 7$
   = 630

5. $55 = 5 \times 11$
   $25 = 5^2$
   LCM = $5^2 \times 11$
   = 275

6. $98 = 2 \times 7^2$
   $94 = 2 \times 47$
   LCM = $2 \times 7^2 \times 47$
   = 4606

7. $22 = 2 \times 11$
   $96 = 2^5 \times 3$
   LCM = $2^5 \times 3 \times 11$
   = 1056

8. $10 = 2 \times 5$
   $75 = 3 \times 5^2$
   LCM = $2 \times 3 \times 5^2$
   = 150

9. $32 = 2^5$
   $26 = 2 \times 13$
   LCM = $2^5 \times 13$
   = 416

10. $93 = 3 \times 31$
    $90 = 2 \times 3^2 \times 5$
    LCM = $2 \times 3^2 \times 5 \times 31$
    = 2790

Least Common Multiple (J)

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 =

Least Common Multiple (J)

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. $50 = 2 \times 5^2$
    $34 = 2 \times 17$
    $LCM = 2 \times 5^2 \times 17$
    $= 850$