Lowest Common Multiple

Name:_____

Instructions: Read each section carefully and find the LCM.

Section A: Find the LCM of the following using listing.

1. 6 and 8

    Multiples of 6:

    Multiples of 8:
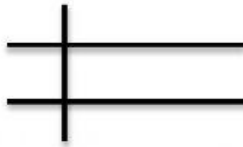
    LCM of 6 and 8:

2. 4, 5 and 8

    Multiples of 4:

    Multiples of 5:

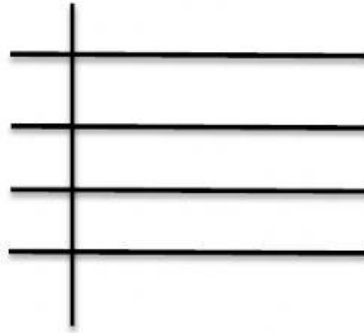   Multiples of 8:

    LCM of 4, 5 and 8:

Section B: Find the LCM of the following using the division ladder.

1. 3 and 7

LCM =   x

    =

2. 6, 12 and 24

LCM =   x   x   x

    =

Section C: Find the LCM using Prime factors.

1. 2 x 2 x 3 3
    2 x 3 x 5

=   x   x   x   x

=

2. 2 x 3 x 5 x 7
    2 x 3 x 5

=   x   x   x

=