

# Least Common Multiple (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

1.  $6 =$

$33 =$

LCM =

2.  $18 =$

$22 =$

LCM =

3.  $10 =$

$35 =$

LCM =

4.  $40 =$

$38 =$

LCM =

5.  $45 =$

$12 =$

LCM =

6.  $26 =$

$14 =$

LCM =

7.  $15 =$

$18 =$

LCM =

8.  $28 =$

$38 =$

LCM =

9.  $36 =$

$10 =$

LCM =

10.  $8 =$

$20 =$

LCM =

# Least Common Multiple (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

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

1.  $6 = 2 \times 3$

$33 = 3 \times 11$

LCM =  $2 \times 3 \times 11$

=  $66$

2.  $18 = 2 \times 3^2$

$22 = 2 \times 11$

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

=  $198$

3.  $10 = 2 \times 5$

$35 = 5 \times 7$

LCM =  $2 \times 5 \times 7$

=  $70$

4.  $40 = 2^3 \times 5$

$38 = 2 \times 19$

LCM =  $2^3 \times 5 \times 19$

=  $760$

5.  $45 = 3^2 \times 5$

$12 = 2^2 \times 3$

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

=  $180$

6.  $26 = 2 \times 13$

$14 = 2 \times 7$

LCM =  $2 \times 7 \times 13$

=  $182$

7.  $15 = 3 \times 5$

$18 = 2 \times 3^2$

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

=  $90$

8.  $28 = 2^2 \times 7$

$38 = 2 \times 19$

LCM =  $2^2 \times 7 \times 19$

=  $532$

9.  $36 = 2^2 \times 3^2$

$10 = 2 \times 5$

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

=  $180$

10.  $8 = 2^3$

$20 = 2^2 \times 5$

LCM =  $2^3 \times 5$

=  $40$