

## Worksheet on Prime Factorization, GCF, and LCM

Find the LCM of the numbers by listing multiples.

1. 3, 4

2. 8, 9

3. 12, 9

4. 15, 20

5. 5, 14

6. 8, 9, 24

Find the LCM of the numbers using prime factorization

1. 30, 10

2. 42, 126

3. 75, 105

4. 54, 210

5. 30, 50

6. 8, 30, 45

Find the GCF and the LCM using prime factorization

1. 18, 20

2. 12, 27

3. 36, 60, 135

Find the LCM of the numbers using prime factorization

1. 42, 140

2. 42, 45

3. 70, 75

4. 36, 54

5. 30, 70, 105

6. 8, 42, 84

Find the GCF and the LCM using prime factorization

1. 45, 75

2. 30, 100

3. 150, 225

4. 36, 54

5. 30, 36, 75

6. 50, 56, 105