LCM, GCF and Prime Factor Tree

Name:_____ Date:_____

Factors

6, 10, 8, 12

Factors of 6 = _____

Factors of 10 = _____

Factors of 8 = _____

Factors of 12 = _____

LCM (Least Common Multiple)

1) 10 and 5 = LCM: _____

2) 8 and 4 = LCM: _____

3) 5 and 15 = LCM: _____

4) 12 and 6 = LCM: _____

GCF (Greatest Common Factor)

1) 4 and 12 = GCF: _____

2) 14 and 7 = GCF: _____

3) 2 and 16 = GCF: _____

4) 6 and 18 = GCF: _____

Draw the Prime Factor Tree and write all the prime factors

1) 12

2) 39

3) 24

Prime factors 12 = _____ Prime factors 39 = _____ Prime factors 24 = _____

LCM, GCF and Prime Factor Tree

Name:_____ Date:_____

Factors

6, 10, 8, 12

Factors of 6 = 1, 2, 3, 6

Factors of 10 = 1, 2, 5, 10

Factors of 8 = 1, 2, 4, 8

Factors of 12 = 1, 2, 3, 4, 6, 12

LCM (Least Common Multiple)

1) 10 and 5 = LCM: 10

2) 8 and 4 = LCM: 8

3) 5 and 15 = LCM: 15

4) 12 and 6 = LCM: 12

GCF (Greatest Common Factor)

1) 4 and 12 = GCF: 4

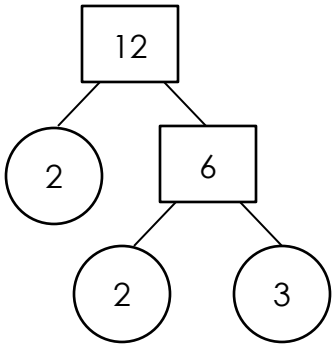
2) 14 and 7 = GCF: 7

3) 2 and 16 = GCF: 2

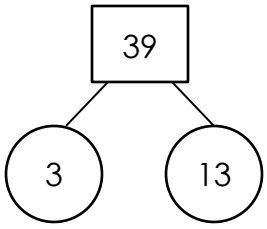
4) 6 and 18 = GCF: 6

Draw the Prime Factor Tree and write all the prime factors

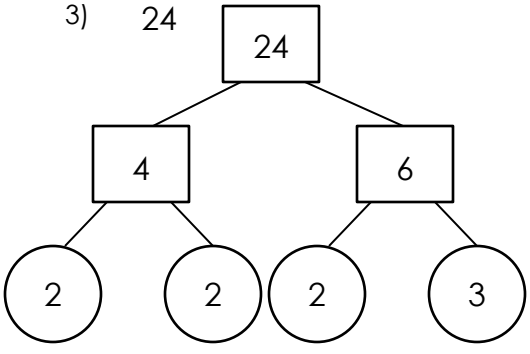
1) 12



2) 39



3) 24



Prime factors 12 = 3 x 2 x 2

Prime factors 39 = 13 x 3

Prime factors 24 = 3 x 2 x 2 x 2