LCM, GCF and Prime Factor Tree

Name:_____ Date:_____

Factors

18, 27, 21, 72

Factors of 18 = _____

Factors of 27 = _____

Factors of 21 = _____

Factors of 72 = _____

LCM (Least Common Multiple)

1) 45 and 81 = LCM: _____

2) 28 and 64 = LCM: _____

3) 72 and 36 = LCM: _____

4) 40 and 80 = LCM: _____

GCF (Greatest Common Factor)

1) 18 and 42 = GCF: _____

2) 75 and 95 = GCF: _____

3) 78 and 38 = GCF: _____

4) 24 and 60 = GCF: _____

Draw the Prime Factor Tree and write all the prime factors

1) 210

2) 49

3) 27

Prime factors 210 = _____ Prime factors 49 = _____ Prime factors 27 = _____

LCM, GCF and Prime Factor Tree

Name:_____ Date:_____

Factors

18, 27, 21, 72

Factors of 18 = 1, 2, 3, 6, 9, 18

Factors of 27 = 1, 3, 9, 27

Factors of 21 = 1, 3, 7, 21

Factors of 72 = 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72

LCM (Least Common Multiple)

1) 45 and 81 = LCM: 405

2) 28 and 64 = LCM: 448

3) 72 and 36 = LCM: 72

4) 40 and 80 = LCM: 80

GCF (Greatest Common Factor)

1) 18 and 42 = GCF: 6

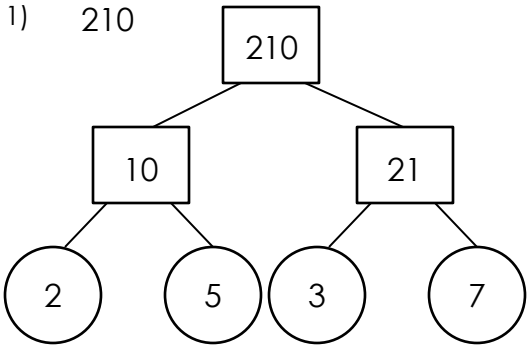
2) 75 and 95 = GCF: 5

3) 78 and 38 = GCF: 2

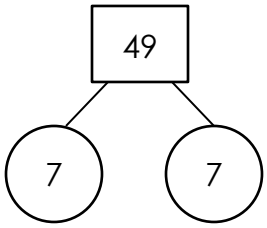
4) 24 and 60 = GCF: 12

Draw the Prime Factor Tree and write all the prime factors

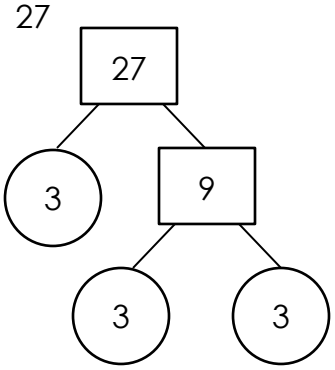
1) 210



2) 49



3) 27



Prime factors 210 = 7 x 3 x 5 x 2

Prime factors 49 = 7 x 7

Prime factors 27 = 3 x 3 x 3