

LCM, GCF and Prime Factor Tree

Name: _____

Date: _____

Factors

84, 36, 44, 60

Factors of 84 = _____

Factors of 36 = _____

Factors of 44 = _____

Factors of 60 = _____

LCM (Least Common Multiple)

1) 18 and 24 = LCM: _____

2) 45 and 81 = LCM: _____

3) 40 and 72 = LCM: _____

4) 70 and 35 = LCM: _____

GCF (Greatest Common Factor)

1) 44 and 64 = GCF: _____

2) 48 and 58 = GCF: _____

3) 36 and 60 = GCF: _____

4) 36 and 80 = GCF: _____

Draw the Prime Factor Tree and write all the prime factors

1) 30

2) 58

3) 54

Prime factors 30 = _____

Prime factors 58 = _____

Prime factors 54 = _____

LCM, GCF and Prime Factor Tree

Name: _____

Date: _____

Factors

84, 36, 44, 60

Factors of 84 = 1, 2, 3, 4, 6, 7, 12, 14, 21, 28, 42, 84

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

Factors of 44 = 1, 2, 4, 11, 22, 44

Factors of 60 = 1, 2, 3, 4, 5, 6, 10, 12, 15, 20, 30, 60

LCM (Least Common Multiple)

1) 18 and 24 = LCM: 72

2) 45 and 81 = LCM: 405

3) 40 and 72 = LCM: 360

4) 70 and 35 = LCM: 70

GCF (Greatest Common Factor)

1) 44 and 64 = GCF: 4

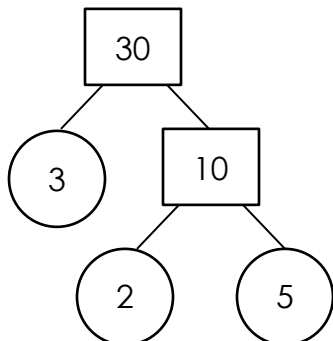
2) 48 and 58 = GCF: 2

3) 36 and 60 = GCF: 12

4) 36 and 80 = GCF: 4

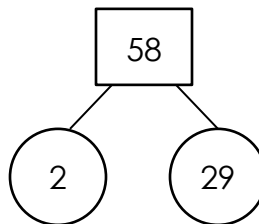
Draw the Prime Factor Tree and write all the prime factors

1) 30



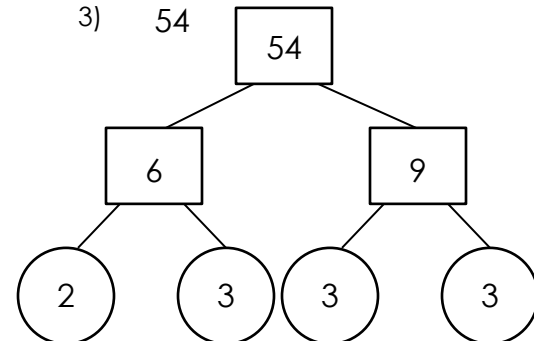
Prime factors 30 = 5 x 2 x 3

2) 58



Prime factors 58 = 29 x 2

3) 54



Prime factors 54 = 3 x 3 x 3 x 2