LCM, GCF and Prime Factor Tree

Name:_____ Date:_____

Factors

4, 12, 18, 22

Factors of 4 = _____

Factors of 12 = _____

Factors of 18 = _____

Factors of 22 = _____

LCM (Least Common Multiple)

1) 14 and 16 = LCM: _____

2) 15 and 20 = LCM: _____

3) 10 and 8 = LCM: _____

4) 2 and 5 = LCM: _____

GCF (Greatest Common Factor)

1) 20 and 10 = GCF: _____

2) 8 and 24 = GCF: _____

3) 15 and 30 = GCF: _____

4) 5 and 40 = GCF: _____

Draw the Prime Factor Tree and write all the prime factors

1) 6

2) 36

3) 8

Prime factors 6 = _____ Prime factors 36 = _____ Prime factors 8 = _____

LCM, GCF and Prime Factor Tree

Name:_____ Date:_____

Factors

4, 12, 18, 22

Factors of 4 = 1, 2, 4

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

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

Factors of 22 = 1, 2, 11, 22

LCM (Least Common Multiple)

1) 14 and 16 = LCM: 112

2) 15 and 20 = LCM: 60

3) 10 and 8 = LCM: 40

4) 2 and 5 = LCM: 10

GCF (Greatest Common Factor)

1) 20 and 10 = GCF: 10

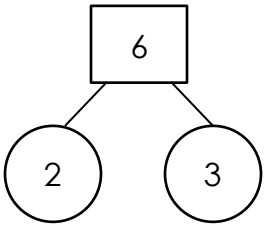
2) 8 and 24 = GCF: 8

3) 15 and 30 = GCF: 15

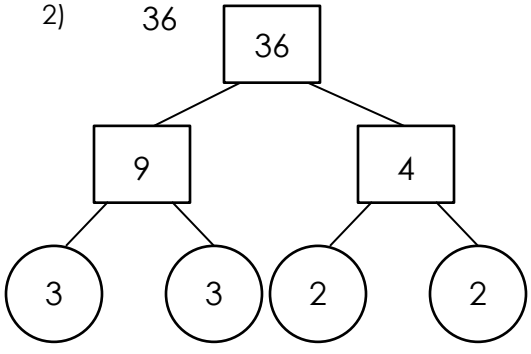
4) 5 and 40 = GCF: 5

Draw the Prime Factor Tree and write all the prime factors

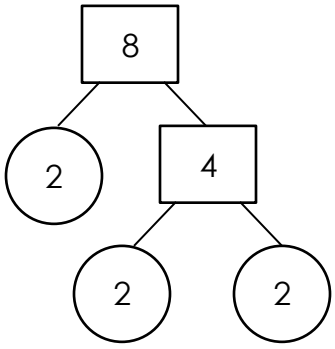
1) 6



2) 36



3) 8



Prime factors 6 = 3 x 2

Prime factors 36 = 2 x 2 x 3 x 3

Prime factors 8 = 2 x 2 x 2