

LCM, GCF and Prime Factor Tree

Name: _____

Date: _____

Factors

25, 15, 28, 30

Factors of 25 = _____

Factors of 15 = _____

Factors of 28 = _____

Factors of 30 = _____

LCM (Least Common Multiple)

1) 32 and 48 = LCM: _____ 2) 50 and 20 = LCM: _____

3) 28 and 36 = LCM: _____ 4) 45 and 25 = LCM: _____

GCF (Greatest Common Factor)

1) 40 and 10 = GCF: _____ 2) 24 and 40 = GCF: _____

3) 24 and 38 = GCF: _____ 4) 30 and 42 = GCF: _____

Draw the Prime Factor Tree and write all the prime factors

1) 18

2) 46

3) 36

Prime factors 18 = _____

Prime factors 46 = _____

Prime factors 36 = _____

LCM, GCF and Prime Factor Tree

Name: _____

Date: _____

Factors

25, 15, 28, 30

Factors of 25 = 1, 5, 25

Factors of 15 = 1, 3, 5, 15

Factors of 28 = 1, 2, 4, 7, 14, 28

Factors of 30 = 1, 2, 3, 5, 6, 10, 15, 30

LCM (Least Common Multiple)

1) 32 and 48 = LCM: 96

2) 50 and 20 = LCM: 100

3) 28 and 36 = LCM: 252

4) 45 and 25 = LCM: 225

GCF (Greatest Common Factor)

1) 40 and 10 = GCF: 10

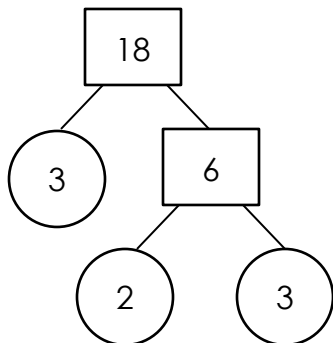
2) 24 and 40 = GCF: 8

3) 24 and 38 = GCF: 2

4) 30 and 42 = GCF: 6

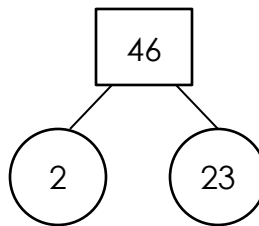
Draw the Prime Factor Tree and write all the prime factors

1) 18



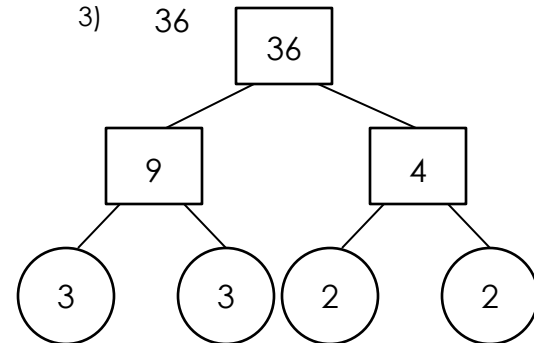
Prime factors 18 = $3 \times 2 \times 3$

2) 46



Prime factors 46 = 23×2

3) 36



Prime factors 36 = $2 \times 2 \times 3 \times 3$