

LCM, GCF and Prime Factor Tree

Name: _____

Date: _____

Factors

8, 24, 15, 40

Factors of 8 = _____

Factors of 24 = _____

Factors of 15 = _____

Factors of 40 = _____

LCM (Least Common Multiple)

1) 48 and 84 = LCM: _____

2) 20 and 60 = LCM: _____

3) 15 and 40 = LCM: _____

4) 35 and 10 = LCM: _____

GCF (Greatest Common Factor)

1) 30 and 28 = GCF: _____

2) 36 and 24 = GCF: _____

3) 18 and 6 = GCF: _____

4) 45 and 50 = GCF: _____

Draw the Prime Factor Tree and write all the prime factors

1) 60

2) 14

3) 70

Prime factors 60 = _____

Prime factors 14 = _____

Prime factors 70 = _____

LCM, GCF and Prime Factor Tree

Name: _____

Date: _____

Factors

8, 24, 15, 40

Factors of 8 = 1, 2, 4, 8

Factors of 24 = 1, 2, 3, 4, 6, 8, 12, 24

Factors of 15 = 1, 3, 5, 15

Factors of 40 = 1, 2, 4, 5, 8, 10, 20, 40

LCM (Least Common Multiple)

1) 48 and 84 = LCM: 336

2) 20 and 60 = LCM: 60

3) 15 and 40 = LCM: 120

4) 35 and 10 = LCM: 70

GCF (Greatest Common Factor)

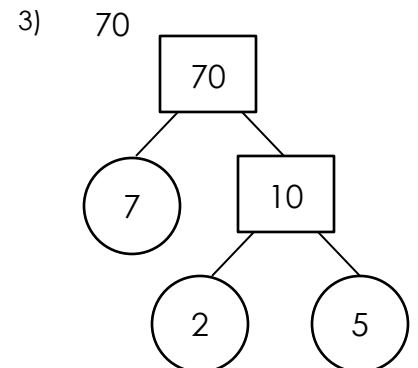
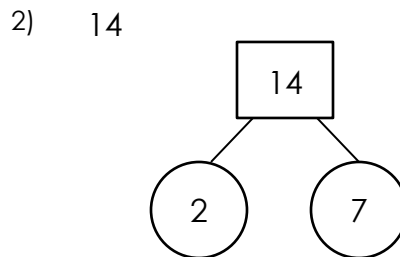
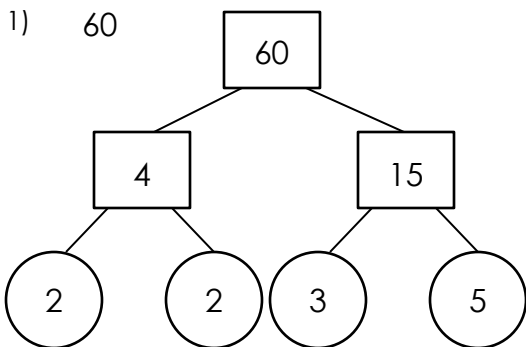
1) 30 and 28 = GCF: 2

2) 36 and 24 = GCF: 12

3) 18 and 6 = GCF: 6

4) 45 and 50 = GCF: 5

Draw the Prime Factor Tree and write all the prime factors



Prime factors 60 = $5 \times 3 \times 2 \times 2$

Prime factors 14 = 7×2

Prime factors 70 = $5 \times 2 \times 7$