



Name Stew Dent

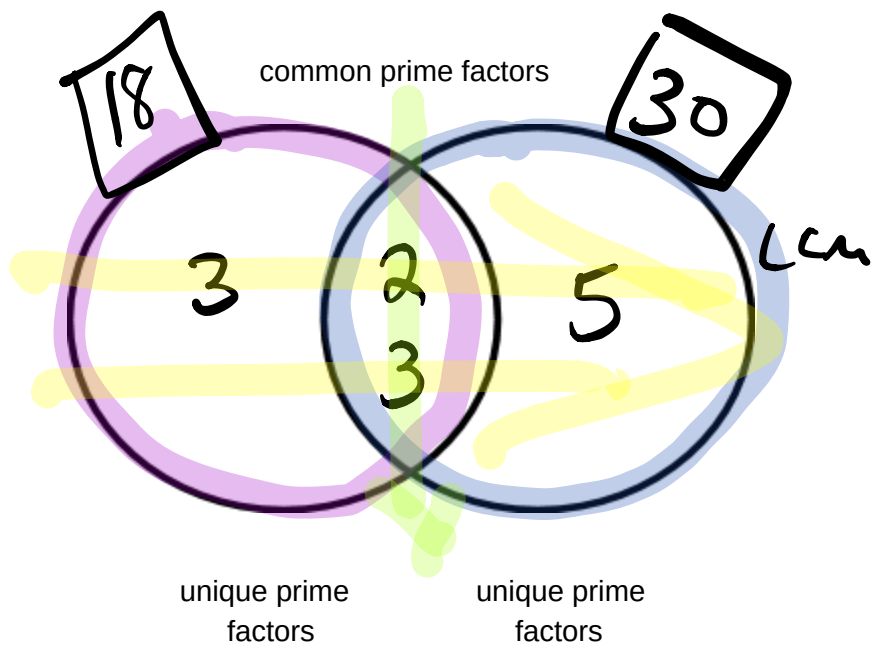
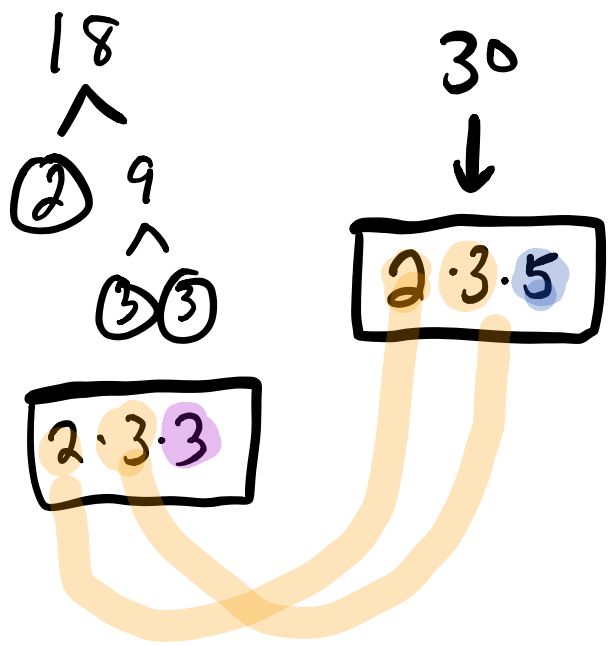
Finding LCM and GCF
With Prime Factorization

Math6
Period G

My numbers: 18, 30

My common prime factors are:
2, 3

Find Prime Factorization?  



LCM = product of ALL Prime Factors
(in the Venn diagram)

$$= 3 \cdot 2 \cdot 3 \cdot 5 = \boxed{90}$$

GCF = product of ONLY the Common Prime Factors

$$= 2 \cdot 3 = \boxed{6}$$

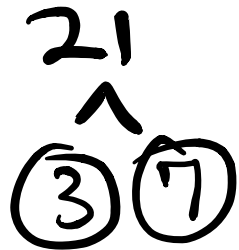
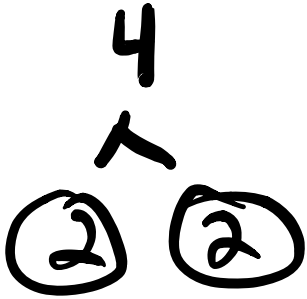
My numbers: 4, 21

My common prime factors are:

Find Prime Factorization?

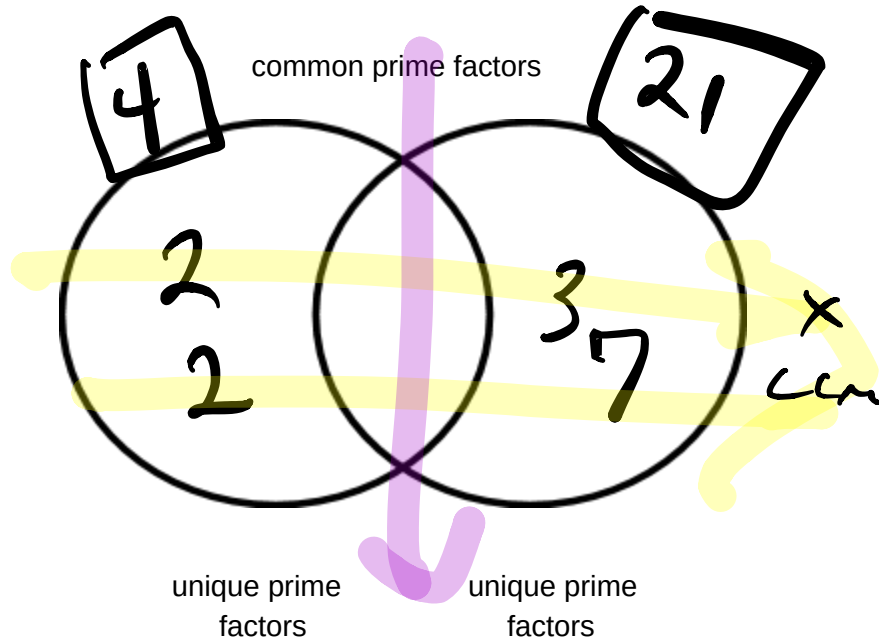


none



$$2 \cdot 2$$

$$3 \cdot 7$$



RELATIVELY PRIME

LCM = product of ALL Prime Factors
(in the Venn diagram)

$$= 2 \cdot 2 \cdot 3 \cdot 7 = \boxed{84}$$

GCF = product of ONLY the Common Prime Factors

= 1 relatively prime.