L19 | Factors

09/24

$8 \div 1 = 8$
$8 \div 2 = 4$
$8 \div 4 = 2$
$8 \div 8 = 1$

8

1, 2, 4, 8

if $2 \times 4 = 8$,
then $8 \div 4 = 2$
$8 \div 2 = 4$

8

1×8
2×4

1, 2, 4, 8

32

1×32
2×16
4×8

1, 2, 4, 8, 16, 32

72

1×72
2×36
3×24
4×18
6×12
8×9

$$3\overline{)72} \quad 24, \ 6/12$$

$$4\overline{)72} \quad 18, \ 4/32$$

L20| GCF

largest factor 2 #'s share

GCF of 6 and 14

6
1 x 6
2 x 3

14
1 x 14
2 x 7

GCF
2

GCF

8
1 x 8
2 x 4

48
1 x 48
2 x 24
3 x 16
4 x 12
6 x 8

GCF: 8

L19 | Prime #'s

Prime #: has only 2 factors
1 and itself

2 → 1st prime #
the only even prime #

1 → is not a prime #
b/c it only has
1 factor.
-1

Composite #

Counting # greater than 1 w/
more than 2 factors

4 → 1st
Composite
#

L19: Pset all

L20: #1, 4, 6-8