

Turn in your vocabulary and get out a blank sheet of paper.

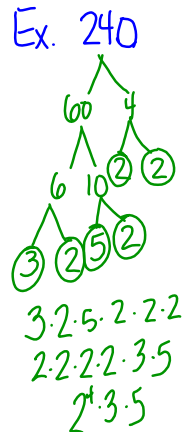
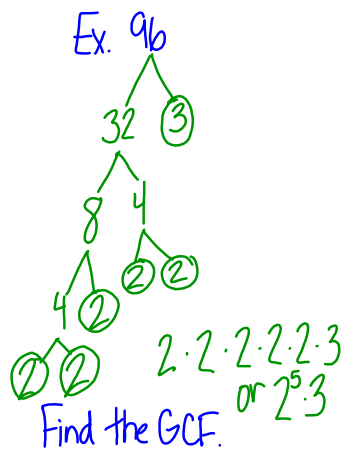
Title the paper "Factors"

## Factors

A prime # : a whole # greater than 1 with exactly 2 factors, 1 and itself Ex. 2, 3, 5, ...

A composite # : a whole # greater than 1 with more than 2 factors Ex. 4, 12, 100

Prime factorization - write the # as a product of all its prime factors Ex:  $70 = 2 \times 5 \times 7$



Find the GCF.

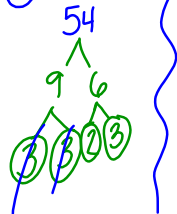
① 54, 63

① Listing the factors:

54 - 1, 2, 3, 6, 9, 18, 27, 54 GCF  
 63 - 1, 3, 7, 21, 63 9

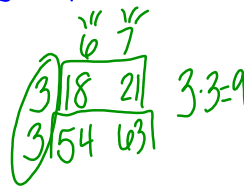


② Factor Trees



$3 \cdot 3 = 9$

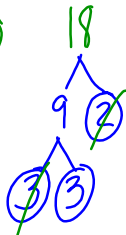
③ Birthday Cake



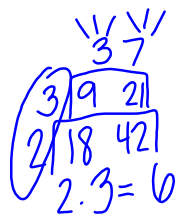
Ex. 18, 42

①

②



$3 \cdot 2 = 6$



Homework:

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