

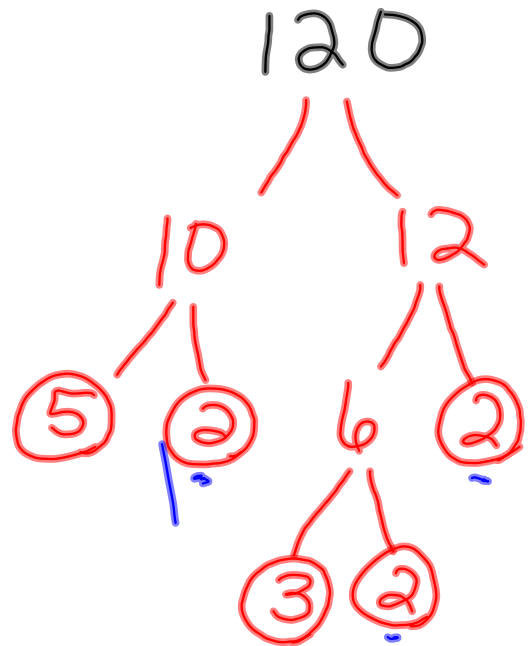
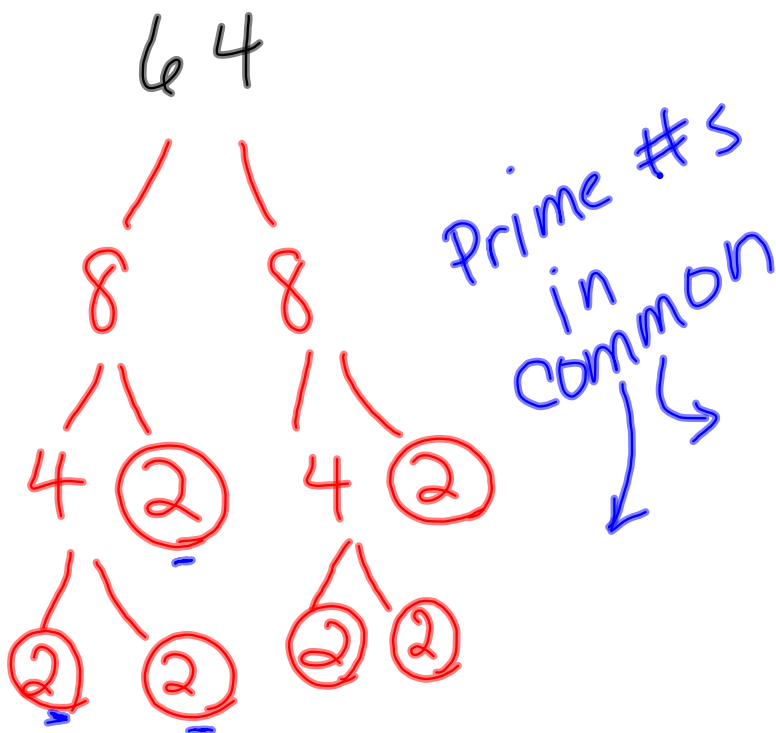
10/18 5.2 Greatest Common Factor

- ① List all the factors of each #. Then find the largest common factor.
- ② Write the PRIME FACTORIZATION OF each #. Then find the product of the Prime factors that the #s have in common.

$$\underline{64} = \text{GCF} = 120$$

$$64 = 1, 2, 4, 8, 16, 32, 64$$

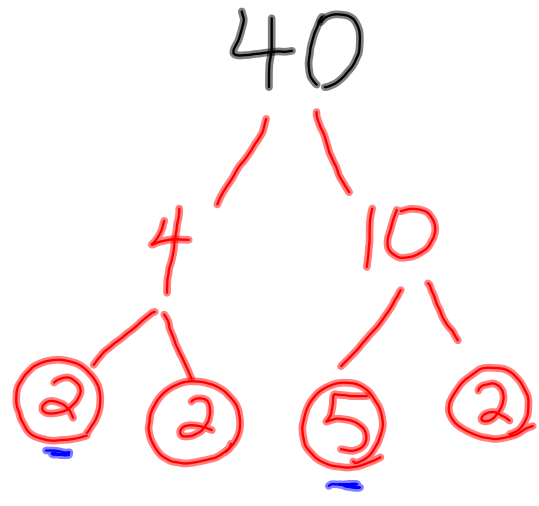
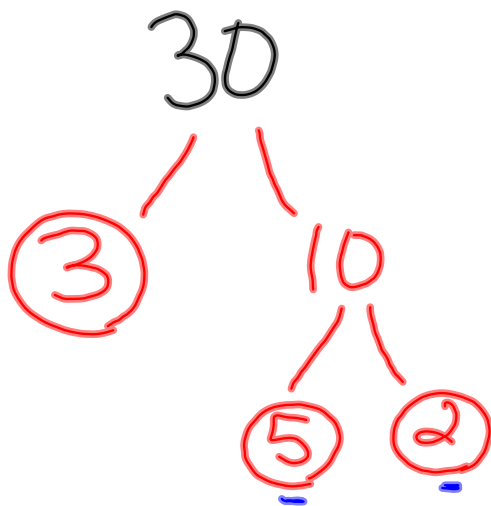
$$120 = 1, 2, 3, 4, 5, 6, 8, 10, 12, 15, 20, 24, 30, 40, 60, 120$$



$$64 = 2 \times 2 \times 2 \times 2 \times 2 \times 2 = 2^3 = 2 \times 2 \times 2 = 8$$

$$120 = 2 \times 2 \times 2 \times 3 \times 5$$

$$\frac{64}{120} \left| \frac{8 \cdot 8}{10} \right. -$$



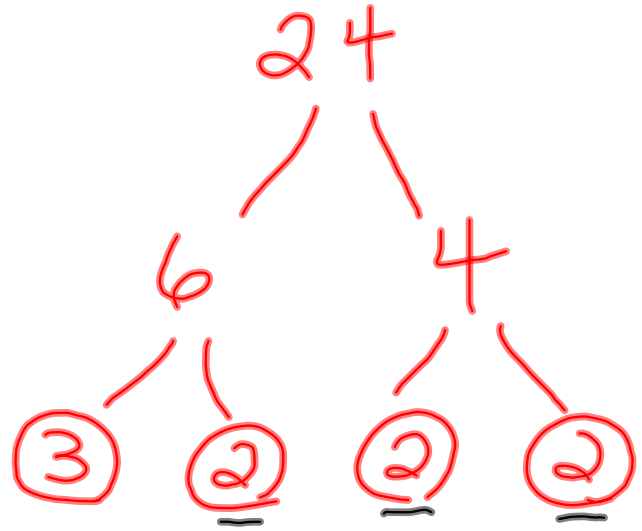
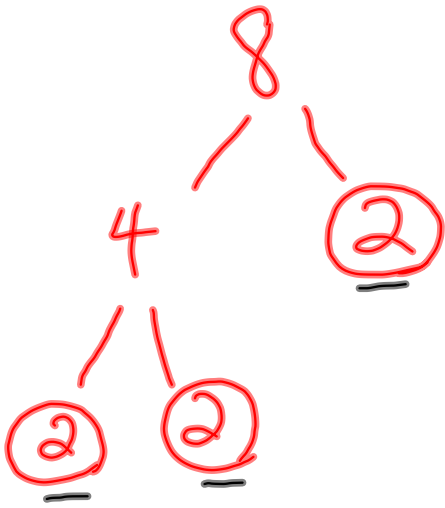
$$5 \times 2 = 10$$

$$30 = 1, 2, 3, 10, 5, 5, 30$$

$$40 = 1, 2, 4, 5, 8, 10, 20, 40$$

In Class:  
p. 224 #s 6-22

HW: WS 5.2 p. 61  
ALL



$$2 \times 2 \times 2 = 8$$