

1. Read Section 4.3. Summarize in 1-2 sentences.
2. Write the prime factorizations of 6120 and 14850.
3. Use the prime factorization you found above to determine the greatest common divisor of 6120 and 14850. (i.e.  $\gcd(6120, 14850)$ ).
4. Use the Euclidean Algorithm (description page 174, example page 175) to find the greatest common divisor of 6120 and 14850.
5. Give examples of positive integers  $a$ ,  $b$ , and  $c$  such that  $a$  divides  $c$  and  $b$  divides  $c$  but  $ab$  does not divide  $c$ .
6. Find  $a$  and  $b$  so that  $19a + 13b = 1$ .