1. (2) Does 50 divide 100? Why or why not? Does 50 divide 80? Why or why not?

2. (2) Is 675 a multiple of 5? Why or why not? Is 236 a multiple of 10? Why or why not?

3. (2) Give the formal definition of a multiple of a positive integer a.

4. (4) Write the prime factorization of 51200 using power notation. (Hint: Use the algorithm!)