6.NS.4: Worksheet
Solutions

1. What's the difference between a factor and a multiple of a number? A factor is what we multiply to get to a particular number. Multiples are what we get after multiplying that number by an integer.

2. What's the GCF of 30 and 45? 15

3. What's the GCF of 100 and 50? 50

4. What's the GCF of 7 and 5? 1

5. What's the LCM of 3 and 11? 33

6. What's the LCM of 8 and 6? 24

7. What's the LCM of 10 and 6? 30

8. Express $35 + 14$ as a multiple of a sum of two whole numbers with no common factor. $7(5+2)$

9. Express $81 + 18$ as a multiple of a sum of two whole numbers with no common factor. $9(9+2)$

10. Use the distributive property and the GCF to prove that $18 + 66$ will be divisible by 6. The GCF of both 18 and 66 is 6. We can express $18 + 66$ as $6(3 + 11) = 6(14)$. That means our result will be a multiple of 6, which means that we can divide it cleanly by 6.