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.	6. What's the LCM of 8 and 6? 24
	7. What's the LCM of 10 and 6? 30
2. What's the GCF of 30 and 45? 15	8. Express $35 + 14$ as a multiple of a sum of two whole numbers with no common factor. $7(5+2)$
3. What's the GCF of 100 and 50? 50	9. Express $81+18$ as a multiple of a sum of two whole numbers with no common factor. $9(9+2)$
4. What's the GCF of 7 and 5? 1	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

6.NS.4: Worksheet

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

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.

©2014 Shmoop University, Inc. All rights reserved. For classroom use only. Want to print this out for your classroom? Go for it. All other reproduction and distribution is prohibited.