

1. D
2. A
3. B
4. C
5. A
6. C
7. B
8. $6 = 2 \times 3$ and $18 = 2 \times 3^2$. Their LCM is $2 \times 3^2 = 18$ and their GCD is $2 \times 3 = 6$. The product of their LCM and GCD is $18 \times 6 = 108$. D
9. A
10. $4 = 2^2$ has $2 + 1 = 3$ whole factors.
 $6 = 2^1 \times 3^1$ has $(1 + 1) \times (1 + 1) = 2 \times 2 = 4$ whole factors.
 $9 = 3^2$ has $2 + 1 = 3$ whole factors.
 $25 = 5^2$ has $2 + 1 = 3$ whole factors. B