Multiples

About These Problems

A multiple is just a number that can be reached by multiplying an original number by a whole number. Most questions about this category involved LCMs or least common multiple. The least common multiple of x and y is the smallest number that x and y are both factors of. Sometimes the answer is just the product of the two numbers. Always double check if that is true.

Question. If x = 8 and y = 6 what is the least common multiple of x and y?

1. 24
2. 48
3. 96
4. 16
5. 12

Answer. 1: It is tempting to just multiply 6 and 8 to get 48 but the answer here is actually 24. Sometimes to double check compared all the answers to see if they are LCM.