

HW 6: Factors and Multiples

1. Which is **not** a factor of 12? (Show your work)
A. 6 B. 24 C. 3
2. Which is the GCF of 4 and 12? (Show your work)
A. 2 B. 4 C. 12
3. Bill cut out 6 squares and 8 circles. He divided the cutouts into groups so that the same number of squares and circles were in each group. What is the greatest number of groups he could have made? (Show your work)
A. 3 B. 2 C. 4
4. Which of the following is **not** a multiple of 8? (Show your work)
A. 80 B. 8 C. 23
5. Which pair of numbers has a GCF of 6? (Show your work)
A. 3 and 12 B. 12 and 6 C. 18 and 24
6. Which pair of numbers has a LCM of 18? (Show your work)
A. 2 and 9 B. 3 and 6 C. 5 and 10
7. Karen says that 6 is a common factor of 2 and 3. Ken says that 6 is a common multiple of 2 and 3. Who is correct? (Show your work)
8. What is the GCF of 12 and 15? (Show your work)
9. What is the LCM of 5 and 8? (Show your work)
10. What is the GCF of 32 and 56? (Show your work)
11. What is the LCM of 8 and 12? (Show your work)