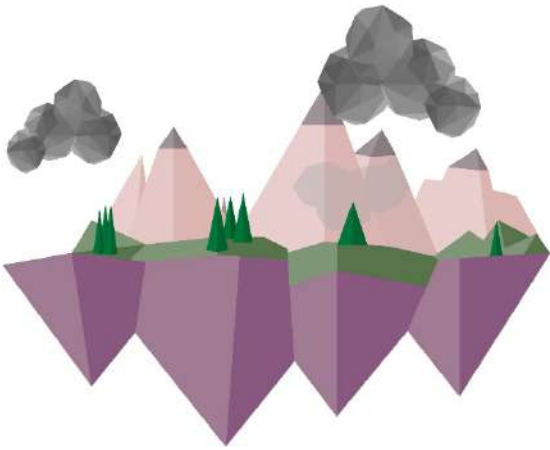# Factorization Worksheet 1

You multiply **factors** together to get another number.

Prime numbers are the numbers that have only two **factors**.
What are the factors of 2? 1 and 2
Because 2 has only two **factors**, it is a **prime number**.

Composite numbers are the numbers that have more than two **factors**.
What are the factors of 8? 1, 2, 4, and 8
Because 8 has more than two factors, it is a **composite number**.

Circle the correct answer.

1. The lowest factor of 75 is

   15   9   25   none of the above

2. Each number has exactly _____ factors.

   3   4   2   none of the above

3. The composite number with exactly 5 factors.

   16   36   44   none of the above

4. The number 57 is

   Prime   Composite   Neither prime nor composite

5. The only number that is both even and prime is

   3   2   4   none of the above

6. The number 35 is

   Prime   Composite   Neither prime nor composite

7. The lowest listed factor of 48 is

   16   5   6   none of the above

8. The succeeding prime number of 75 is

   79   83   95   none of the above