

Lesson 1-3 **Reading in the Content Area****Main Idea**

1. Mark the *main idea* with an *M*.
Mark the statement that is *too broad* with a *B*.
Mark the statement that is *too narrow* with an *N*.

- _____ Products come from multiplying factors.
_____ The factors of 11 are 1 and 11.
_____ Every composite number can be expressed as a product of prime numbers.

Subject Matter

2. This lesson is mainly about _____
- a. how to make different rectangles.
 - b. how to find square numbers.
 - c. how to factor expressions like $2x + 4$.
 - d. how to factor a whole number into its prime factors.

Supporting Details

3. To identify prime and composite numbers _____
- a. list the factors of the numbers by their multiplication pairs.
 - b. multiply the number by itself.
 - c. write the number in expanded form.
 - d. divide the number by itself.

Conclusion

4. To find the prime factorization of 30, you would first _____
- a. choose any pair of whole number factors of 30.
 - b. multiply 1 by 30.
 - c. divide by 30.
 - d. draw a rectangle.

Clarifying Details

5. The Concept Summary box shows _____
- a. the divisibility rules.
 - b. how to make a factor tree.
 - c. the definition of prime and composite numbers.
 - d. the properties of rectangular numbers.

Vocabulary in Context

6. A *rectangle* is _____
- a. a parallelogram with all sides congruent, all right angles, and opposite sides parallel.
 - b. a parallelogram with all sides congruent.
 - c. a polygon with three sides.
 - d. a quadrilateral with opposite sides congruent and parallel and all angles are right angles.