9 Squares

- A thorough study of vocabulary using pictures, examples, synonyms, and antonyms. Students access prior knowledge to make connections to new information.

Capsule Vocabulary

- An activity to review at the end of a chapter or unit.

Students brainstorm vocabulary from a chapter or the teacher presents the vocabulary words. Then the definitions are reviewed with student input. In groups, students engage in conversational dialogue using the vocabulary. After 5 minutes or so, pairs or groups of students compose a paragraph about the topic using the vocabulary words. *(This activity was adapted from an article written by Karen Wood.)*

DEFINITION	PICTURE	SENTENCE
1 of the 2 equal factors of a number.		A car hydroplanes at the square root of the tire pressure times 10.
SYNONYM	WORD	SYNONYM
	SQUARE ROOT	What number do you multiply by itself to get the number inside?
EXAMPLE	ANTONYM	EXAMPLE
	A perfect square.	

Math Behind You

Writing Activities

Role Play

- Pretend you are a prime number. Write a description of yourself beginning with "I have the following qualities…." Your description should be detailed enough to figure out what you are. (Use correct mathematical terminology where appropriate.)
- Pretend you are a composite number. Write a description of yourself beginning with "I have the following qualities…." Your description should be detailed enough to figure out what you are. (Use correct mathematical terminology where appropriate.)

Expository Writing

- Explain the step-by-step process you would use to find the prime factorization of a number. Use an example(s) to support your explanation. Be sure to explain why your solution is correct.

Compare & Contrast

- Use the flow-chart to compare and contrast Greatest Common Factor with Least Common Multiple

Creative Writing

- Write a story that helps to explain the relationship(s) between equivalent fractions, simplest form, & comparing fractions. Be sure to use the vocabulary from the chapter. (You may also include important concepts from earlier in chapter 3).

Example:

Once upon a time, the fraction known as 1/2 happened to come across the fraction known as 3/8. They each thought that they were greater than the other, so they needed to come up with a way to know for sure. Using what they had learned in class…