TEACHING WITH LEARNING DIFFERENCES IN MIND

## Thank you

 FOR YOURPlease enjoy this complimentary excerpt from Every Math Learner, Grades 6-12. These pre-assessment strategies will help to better prepare students for tests.

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## FICURE 2.1

## PREASSESSMENT STRATEGIES

## Strategy/Description

## A) Concept Map

Students are challenged to create a concept map for the upcoming unit. Students can be provided any of the following information:

- Key vocabulary
- Graphs, tables, or other visuals
- Problem examples
- Lesson titles

Students create a linked concept map based on their prior knowledge and expectations of how ideas will fit together. In their maps, students provide definitions and explanations as to why they have grouped, joined, or connected any areas. As a readiness differentiation, templates of maps or graphic organizers can be given to students to fill in.

## B) Misconception Check

A misconception check is a list of statements or work to which students will agree or disagree (or mark True or False) and explain why they believe as they do. This is especially useful to surface common errors and misconceptions. Once students have responded, you can group students according to their answers-either answers that are alike to have specific further tasks ready or different answers to discuss and defend their positions.

## Example



Simplifying Expressions
Mark each statement as True or False. Explain your thinking.

1. Like terms are defined by the combination of variables in the term.
2. Any terms that have a common variable can be added or subtracted.
3. The same integer operation rules apply when simplifying expressions as when solving an integer problem.
4. The order of operations does not apply to algebraic terms.

## C) Quick Write

This is a free write for students to recall, model, draw, or calculate anything relating to the topic. This can be posed as a question, such as, "What do you know about ratios?" A word bank or skill list can be provided to stimulate students' thinking.

## D) Technology

There are many ways to use technology as a preassessment that does not have to be expensive. Certainly, clickers or calculatorbased technology that allows you to survey and graph class data is effective. However, not everyone has these kinds of technology available. Consider giving a multiple-choice assessment and use Plickers for student responses. For this, assign students a specific card number and their answers will be logged and graphed through your smartphone. For free cards and information on using Plickers, see https://www.plickers.com/library. Survey Monkey, Socrative, and Poll Everywhere are also free sites that can be used, but you may not be able to get individual information, so use them carefully.

What Do You Know About Ratios?


Choose a response that describes you today for "How are you doing?"
A. Blessed Beyond Belief
B. Happy To Be Here
C. Hanging In There
D. Really?


