Instructional Practices for Improving Mathematics Achievement

concepts

focus on

make concepts explicit and public emphasize connections

Encourage multiple ways to represent concepts and procedures

Use visuals to help press connections

Talk about why, not just how and what

Start or end by synthesizing the main concepts

How many red buckets should be mixed with 45 blue buckets?



EXPLICIT ATTENTION TO CONCEPTS STUDENT OPPORTUNITIES TO STRUGGLE



Engage students in rich tasks, with multiple paths

Challenge students to keep trying

Question students to help them make progress

Ask students to explain

their thinking

Which is better, one-sixth of a medium pizza, or one-eighth of a large?



Learn more at boisestate.edu/rmc/root



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