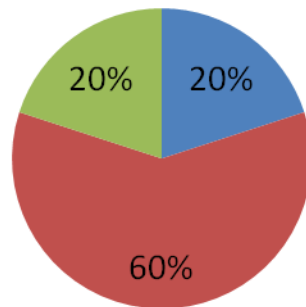


Mathematics Instructional Framework

■ Opening ■ Work session ■ Closing



OPENING

Discussion of standard(s), element(s), and E.Q.

Explicit instruction/activity aligned to the standards and/or elements that include a balance of:

- Skills
- Conceptual understanding
- Problem solving

Modeling:

- Routines
- Problem-solving strategies
- Mathematical vocabulary

Sets performance goals and expectations for the work session

Work Session:

Teacher:

- Implements flexible grouping
- Allows student struggle time
- Assesses student understanding of the standards
- Facilitates by providing appropriate hints and asking questions
- Provides rigorous work
- Provides feedback

Students:

- Engage in performance tasks
- Collaborate with peers
- Communicate using LOTS

Closing

Students:

- Justify and explain approaches for solving problems
- Ask questions
- Use mathematical vocabulary, LOTS
- Summarize the main concepts for the day and link concepts to the standards

Teacher:

- Selects students to share solutions
- Explicitly clarifies misconceptions
- Informally assesses student understanding
- Identifies future problems for adjustments in lessons and interventions
- Celebrate progress towards meeting standards