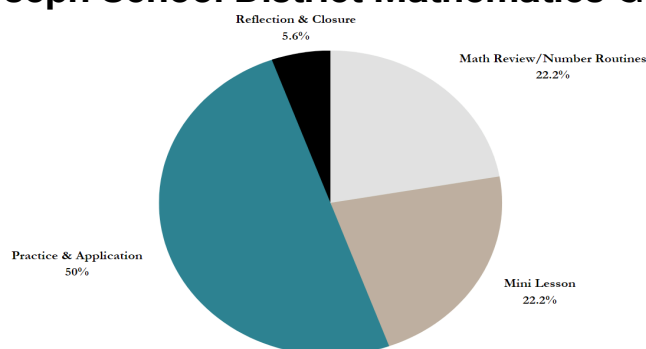


Saint Joseph School District Mathematics Guidelines



Elementary Mathematics Guidelines for Instructional Time

Format	Component	Setting/ Time Frame
*Math Review/ Number Routines <i>These components can be done outside of the math block if needed.</i>	Math Review - Students solve problems reviewing Missouri Learning Standards from previous units and prerequisite skills in accordance with student needs. Students work independently then discuss. - Teacher gathers observational data to guide future instruction and monitors for skill retention. Number Routines - This is a time to build number sense. Students create, share, modify, and evaluate strategies that build number sense and establish fluency, efficiency, and flexibility with numbers.	20 min.
Activating Strategy & Mini-Lesson (Conceptual Understanding)	Direct instruction connected to grade-level standard(s), outlined by the curriculum, for the whole group. - Build procedural fluency from conceptual understanding. - Pose purposeful questions and facilitate mathematical discourse between students by providing them opportunities to explain their thinking and justify their responses. - Teacher and students model the use of appropriate tools (manipulatives) and problem-solving strategies. - Standards of Mathematical Practices are evident. - Design tools and escapes for misunderstanding (anchor charts, worked examples, references, peer support, etc).	20 min.
Practice & Application	- Engage students in problems that promote mathematical reasoning, problem-solving/application, and critical thinking. - Provide students opportunities to practice in needs-based small groups. - Check for student understanding and make “in-the-moment” decisions to meet student needs and help students make progress towards mastery of the learning intention through success criteria.	45 min.
Reflection & Closure	- Students make connections, reflect on the learning, and debrief which mathematical practices were utilized by sharing with peers and/or teachers (verbally or in writing). - Teachers may use this time to monitor understanding through formative assessment.	5 min.
Total Instructional Minutes		90 Minutes