

Grade: 2nd Grade**Strand: Operations & Algebraic Thinking****Standard/Topic: MAT-02.OA.02**

Use mental strategies to fluently add and subtract within 20.



		Sample Activities
Score 4.0 Complex	In addition to Score 3.0, in-depth inferences and applications that go beyond the target content. The student will: • Determine the missing addend(s) using mental strategies for a given sum. • Determine the missing minuend/subtrahend using mental strategies for a given difference.	• Mentally create missing addend(s) for a given sum up to 20. Record possible solutions. ○ Ex: $__ + __ = 16$ ○ Ex: $__ + 3 = 7$ ○ Ex: $__ + __ = 11$ • Mentally create missing minuends or subtrahends for a given difference up to 20. Record possible solutions. ○ Ex: $15 - __ = 10$ ○ Ex: $__ - 3 = 4$ ○ Ex: $__ - __ = 9$
3.5 In addition to target performance, in-depth inferences and applications with partial understanding		
Score 3.0 Target	The student will: • Use mental strategies to fluently add within 20 (a) • Use mental strategies to fluently subtract within 20 (b) The student exhibits no major errors or omissions.	Students may use strategies such as; • counting on • making ten (e.g., $8 + 6 = 8 + 2 + 4 = 10 + 4 = 14$) • decomposing a number leading to a ten (e.g., $13 - 4 = 13 - 3 - 1 = 10 - 1 = 9$) • using the relationship between addition and subtraction (e.g., knowing that $8 + 4 = 12$) • one knows $12 - 8 = 4$) • creating equivalent but easier or known sums (e.g., adding $6 + 7$ by creating the known equivalent $6 + 6 + 1 = 12 + 1 = 13$).
2.5 No major errors or omissions regarding the simple content and partial understanding of the target content		
Score 2.0 Simple	There are no major errors or omissions regarding the simpler details and processes as the student: • The student will recognize or recall specific terminology, such as: ○ Add, subtract, plus, minus, equals • The student will perform basic processes, such as: ○ Use strategies to add within 20 ○ Use strategies to subtract within 20 ○ Using manipulatives add within 20	Use vocabulary appropriately during math conversations. Students may use number lines, 100 charts, manipulatives to solve.

	○ Using manipulatives subtract within 20 However, the student exhibits major errors or omissions regarding the more complex ideas and processes.	
	1.5 Partial understanding of the simple, but major errors or omissions regarding the target content	
Score 1.0	With help, partial understanding of the simple and target content	
	0.5 With help, partial understanding of the simple content, but not the targeted content	