

Master 3.1

Unit Rubric: Addition and Subtraction

	Beginning	Acceptable	Proficient	Mastery
Conceptual Understanding				
Shows understanding by explaining and/or demonstrating: <ul style="list-style-type: none"> – mental math strategies for adding and subtracting – using estimation strategies to predict sums and differences – personal strategies for adding and subtracting (numbers with up to 3-digits) 	may be unable to demonstrate or explain: <ul style="list-style-type: none"> – mental math strategies for adding and subtracting – estimating to predict sums and differences – personal strategies for adding and subtracting 	partially able to demonstrate or explain: <ul style="list-style-type: none"> – mental math strategies for adding and subtracting – estimating to predict sums and differences – personal strategies for adding and subtracting 	able to demonstrate and explain: <ul style="list-style-type: none"> – mental math strategies for adding and subtracting – estimating to predict sums and differences – personal strategies for adding and subtracting 	in various contexts, appropriately demonstrates and explains: <ul style="list-style-type: none"> – mental math strategies for adding and subtracting – estimating to predict sums and differences – personal strategies for adding and subtracting
Procedural Knowledge				
<ul style="list-style-type: none"> – Adds 2-digit numbers – Subtracts 2-digit numbers – Recalls basic addition facts to 18 and related subtraction facts – Solves addition or subtraction equations (one unknown) 	limited accuracy; often makes major errors/omissions in: <ul style="list-style-type: none"> – adding 2-digit numbers – subtracting 2-digit numbers – recalling basic addition facts to 18 and related subtraction facts – solving addition or subtraction equations 	partially accurate; makes frequent minor errors/omissions in: <ul style="list-style-type: none"> – adding 2-digit numbers – subtracting 2-digit numbers – recalling basic addition facts to 18 and related subtraction facts – solving addition or subtraction equations 	generally accurate; makes few errors/omissions in: <ul style="list-style-type: none"> – adding 2-digit numbers – subtracting 2-digit numbers – recalling basic addition facts to 18 and related subtraction facts – solving addition or subtraction equations 	accurate; rarely makes errors/omissions in: <ul style="list-style-type: none"> – adding 2-digit numbers – subtracting 2-digit numbers – recalling basic addition facts to 18 and related subtraction facts – solving addition or subtraction equations
Problem-Solving Skills				
Selects and uses appropriate strategies to create and solve problems involving addition and subtraction up to 3 digits	does not select and use appropriate strategies to create and solve problems with up to 3 digits successfully	with limited help, selects and uses some strategies to solve problems with up to 3 digits with partial success	selects and uses appropriate strategies to solve problems with up to 3 digits successfully	selects and uses appropriate strategies to solve problems with up to 3 digits with a high degree of success
Communication				
Records and explains reasoning and procedures clearly and completely, including appropriate terminology	does not record and explain reasoning and procedures clearly and completely	records and explains reasoning and procedures with partial clarity; may be incomplete	records and explains reasoning and procedures clearly and completely	records and explains reasoning and procedures with precision and thoroughness