**Unit 1 Math Study Guide**

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| **Solve two-digit addition problems within 100**  Always start by adding the ones first!  32 26 27 53 52  + 25 +32 +61 +26 +47  57 58  If it equals more than ten, carry the ten. Then add the tens column.  1 1  28 65 49 67 73  +37 +29 +36 +18 +19  6 5 94 |
| **Solve two-digit subtraction problems within 100**  Use this poem to help you recognize if you need to regroup before subtracting.  **More on the top?- No need to stop!**  **More on the floor?- Go next door! Get one ten. That’s ten ones more!**  **Numbers the same?- Zero’s the game!**  **4 12 7 11**  ~~5~~2 27 ~~8~~1 48 75 63 86 90  - 36 -12 -25 -31 -19 -48 -52 -64  16 15 56 17 |
| **Solve one-step addition and subtraction number stories**  When solving a number story it is important to remember to include a unit and a number sentence in the answer.  Students will need to solve number stories such as:   1. Bill had 23 pencils. His friend gave him 16 more. How many pencils does Bill have in all?   Number sentence: 23 + 16= 39  Unit: pencils   1. Susie had 10 erasers. She lost 3 erasers. How many erasers does she have left?   Number sentence: 10 - 3= 7  Unit: erasers |
| **Fluently add and subtract within 20 using mental strategies**  Composing (making) 10 is one mental strategy.  8 + 4 = 12 I can decompose (break-apart) the 4 as 2+2.  Next, I compose a 10 by adding 8 + 2.  2 + 2 Then I add 10 + 2 to get my final answer: 12.  9 + 5 = 14 I can decompose the 5 as 1+4.  Next, I compose a 10 by adding 9+1.  1 + 4 Then I add 10 + 4 to get my final answer: 14.  Math fact strategies help with mental math.  Knowing doubles facts can help to solve doubles + 1 problems.  Examples- 4+4=8, so 4+5=9 16-8=8, so 17-8=9 |