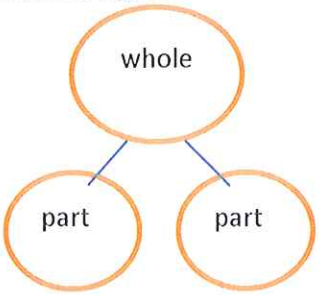
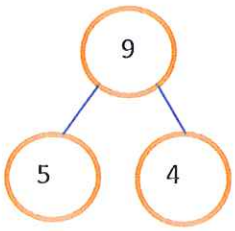
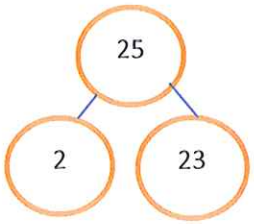
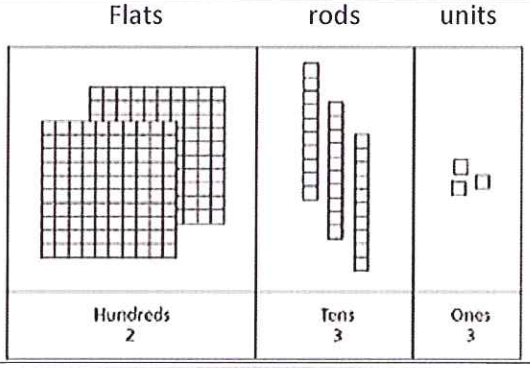
Second Grade Math Reference Sheet

Math Term	Example
Number Bond—a model used to show part, part, whole (total) *Number bonds help students see that numbers can be "broken" into pieces to make solving problems easier.* 	 
Hide Zero facts -simply place the number in place of the zero	10 +3= 13 20+ 5= 25 40 + 7= 47 70 +1= 71
Number sentence – a written expression of addition/subtraction problems	5 + 2 = 7 10 – 2 = 8 10= 9 + 1 4= 5 – 1
Doubles - when two of the same number are added together	**5** + **5** = 10 **2**+ **2** =4
Doubles plus 1 – when a doubles problem is used to solve an addition problem. One is added to one of the addends.	**Doubles** 2 +2 = 4 4 +4 = 8 **Doubles Plus One** 2 + **3** = 5 4 + **5** = 9
Related number sentence- - A number sentence that uses the same numbers, but the opposite operation	**Number Sentence** 4 + 5 = 9 3+ 4 = 7 **Related Number Sentence** 9 – 5 = 4 7 – 4 = 3
Standard form- -also called number form -simply means write the number	Standard form of sixty-four = 64 Standard form of two hundred five = 205

Math Term	Example
Expanded from—write the number in an addition sentence that adds the hundreds, tens, and ones	145 = 100+40+5 234 = 200+30+4 300+10+3=313
Unit form- write the amount of hundreds, tens, and ones	651 = 6 hundreds 5 tens 1one 862 = 8 hundreds 6 tens 2 ones
Written form- also known as word form -write the number as a word	202= two hundred two 793= seven hundred ninety-three 147= one hundred forty-seven
Value- the value of the number has you check what place it is in to determine what it is worth	**Value of 7 in 764** = 700 because 7 is in the hundreds place **Value of the 6 in 764**= 60 because 6 is in the tens place and 6 tens equals 60 **Value of the 4 in 764**= 4 because 4 is in the ones place
Comparing numbers- use the greater than, less than, or equal symbols to compare numbers	< is the less than symbol > is the greater than symbol = equal is used when they are the same
Centimeters-	**100cm = 1 meter**
Base ten model – manipulatives that show hundreds as flats, tens as rods, and ones as units for students to make numbers, count, add, and subtract -students can draw the base ten model	
Place Value disks– manipulatives that show hundreds, tens, and ones as round disks for students to make numbers, count, add, and subtract -students can draw the place value disks